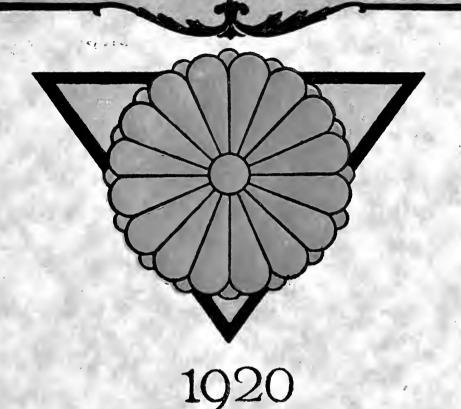
# **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.

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ROSES
CARNATIONS
HARDY PERENNIALS

CHARLES H. TOTTY COMPANY MADISON, N.J.

# **PREFACE**

ITH our Seventeenth Annual Catalogue we extend our thanks to our customers for their continued support in the work we have undertaken of supplying, for their benefit, the world's best in floral novelties. Reconstruction is the order of the day and reconstruction means getting back the beautiful things in life and planning new Rose gardens or herbaceous borders to take the places recently vacated by War Gardens.

The Novelties in Roses for 1920 are exceptional. Frank W. Dunlop is making record strides toward becoming the premier dark pink Rose in America both, for indoor forcing and garden effects. Four Silver Medals have already been awarded this Rose; and the lovely dainty Mad. Butterfly must displace its parent Ophelia.

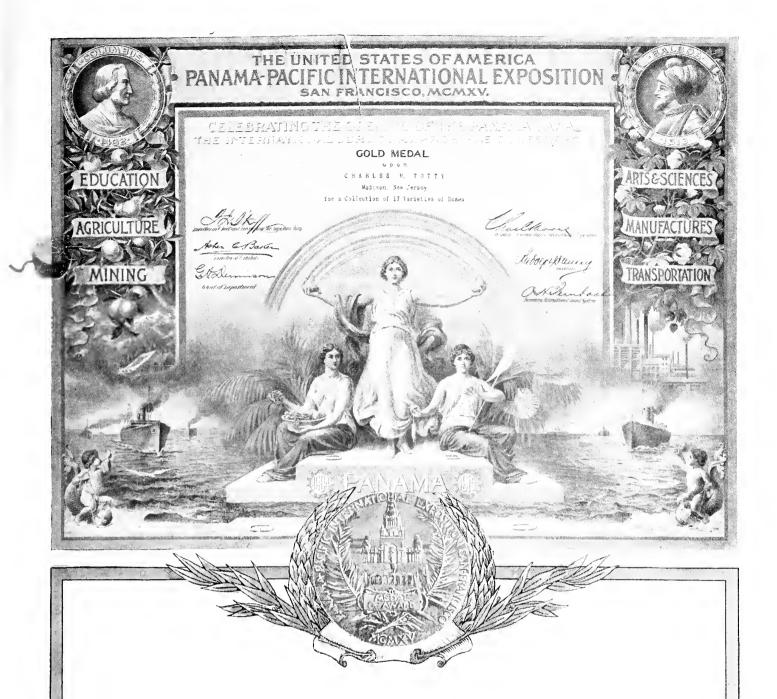
IN New 'Mums we are proud of our introduction Pink Turner (Mrs. J. Leslie Davis). Wm. Turner is the finest Chrysanthemum ever introduced and now with the pink and yellow sports their history is complete. Mrs. C. W. Johnson also is a variety you must grow.

Pompons are represented by the new type of mammoth seedlings which are bound to become very popular.

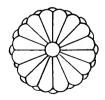
GARDEN ROSES are scarce on account of the national plant embargo placed on them in June, by which we are not permitted to import any more standard Roses from our representative in Ireland. This we regret, as it has narrowed down the list of varieties very materially and the consequence is that Rose stock is more expensive than in previous years and the list of varieties considerably curtailed.

COME AND SEE OUR ESTABLISHMENT. We are located about twenty-five miles from New York, on the D. L. & W. Railroad, and we usually have something of interest to show you either in Summer or Winter. We are glad to have visitors at all times and will not bother you to buy stock if you do not desire to do so.

IMPORTANT: Our Post Office address is Madison, New Jersey, but it is safe to say that more than twenty per cent. of our mail first goes to Madison, New York, and while we have every respect for that town, it very often causes annoyance to customers when their inquiries or orders are not promptly attended to; therefore, we suggest that writing New Jersey out, instead of abbreviating it, will perhaps help to get your wants more promptly attended to.



# Charles H. Totty Company MADISON·N·J·





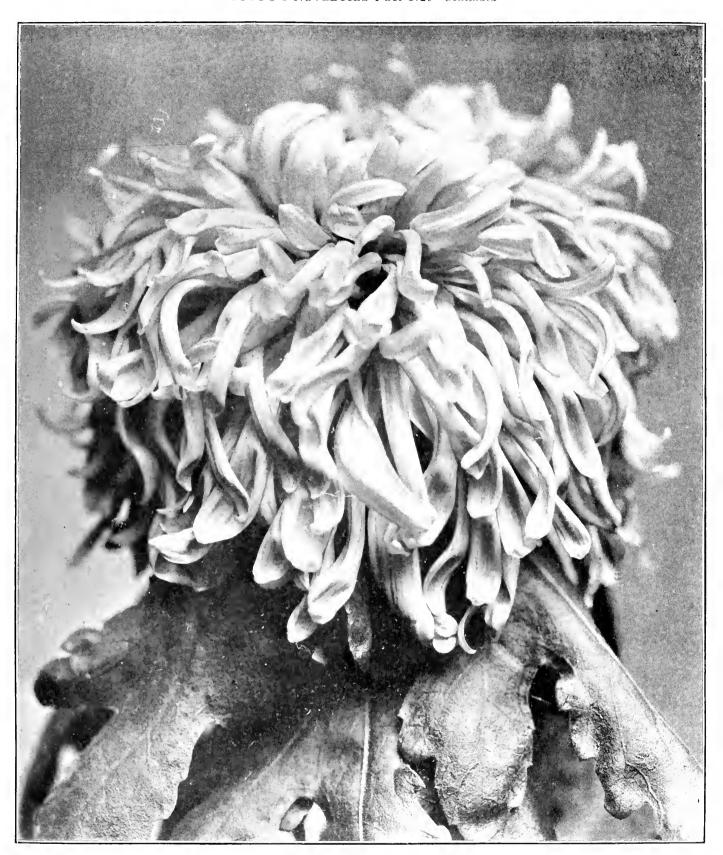
# TOTTY'S NOVELTIES FOR 1920



MRS. J LESLIE DAVIS (Pink Turner)

We consider it a great privilege to present this pink sport of Turner to our customers. We introduced the original variety (white) in 1912, and two years ago we introduced the yellow variety. With the pink sort we are now introducing, it completes the trio. It is absolutely identical with Turner in every respect save color, which is a clear lavender-pink. The growth and habit are a duplicate of the original parent and no other description is necessary. Pink Turner will find a premier place on its own merits. Height 5 feet.



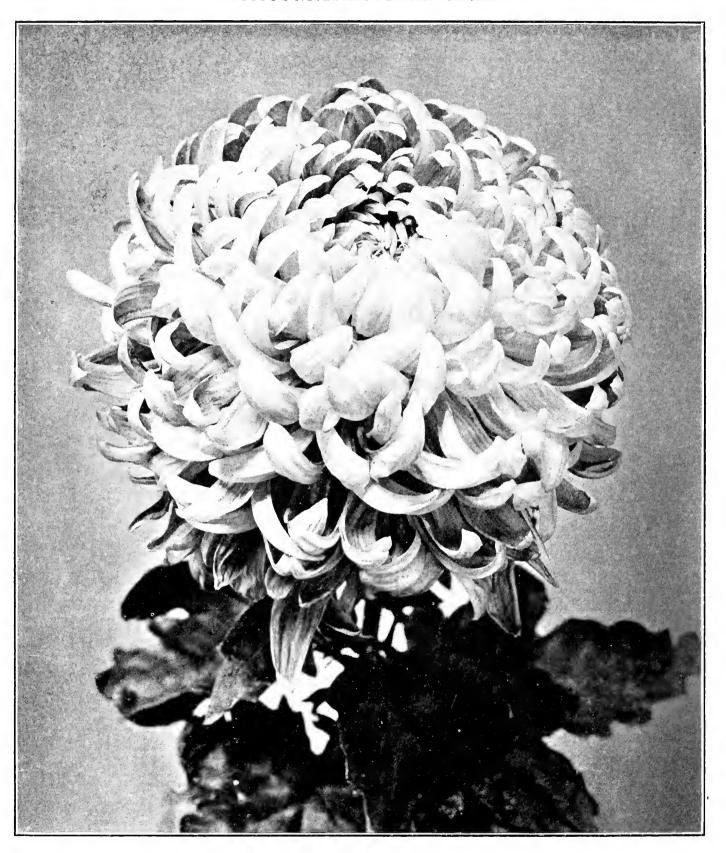


MEUDON SURPRISE

# **MEUDON SURPRISE**

A sport of the well-known Meudon, which will be invaluable when well distributed on the exhibition table. Color, pale fawn and maize yellow, with rose pink shadings on the petals. This will make a welcome addition to the Novelty colors in the exhibition classes of "twenty-four distinct varieties." Very robust in habit.



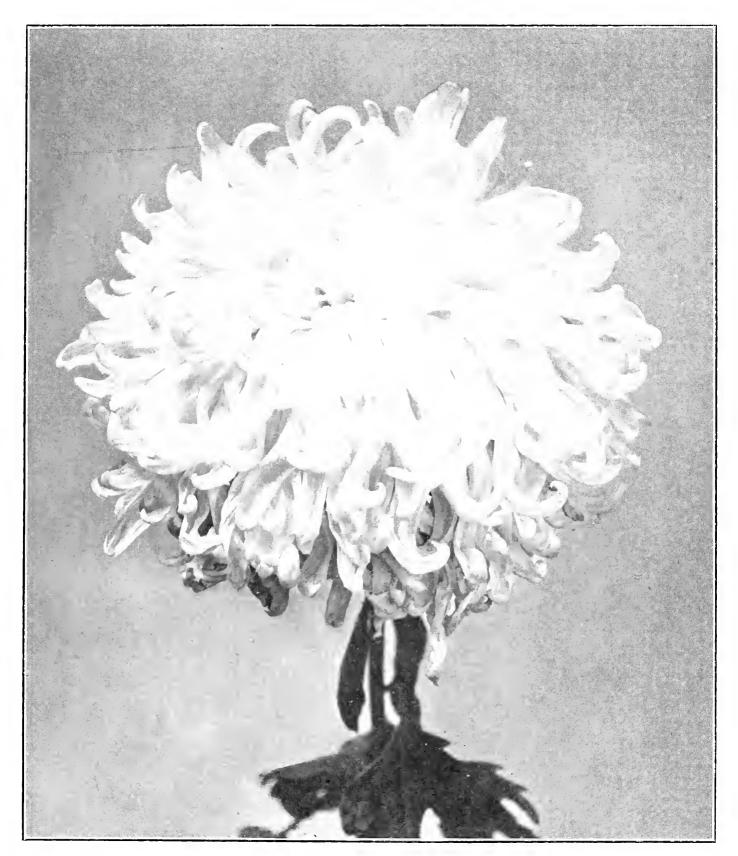


SIR E. LETCHWORTH

# SIR E. LETCHWORTH

Deep rose-pink with a slightly paler reverse. We are very short on exhibition pinks at this time and Sir E. Letchworth will fit in splendidly, as it will fill this long-felt want. The foliage and flower are alike, ideal. Medium height, about 3 feet, and any bud taken after August 15th seems to develop splendidly.





**ELIZABETH JAMISON** 

# **ELIZABETH JAMISON**

Purest white. Petals irregularly twisted and curved at the tips. Plant is very strong in growth, about six feet in height under favorable conditions. Foliage carried completely up to the flower, and the stem is perfectly rigid and splendid for the long-stemmed class.



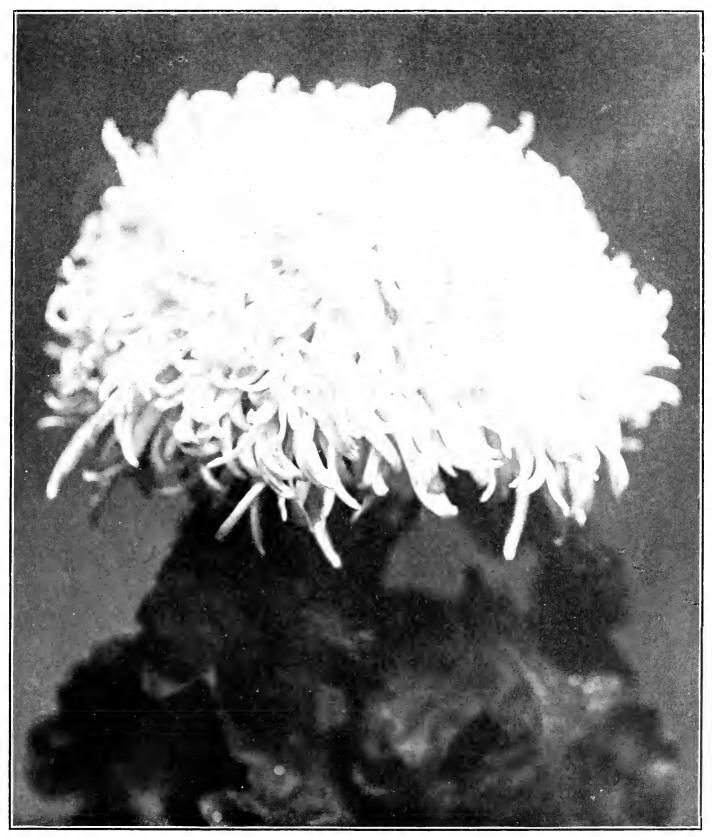


KATHERINE TWIGG

# KATHERINE TWIGG

White, with the faintest possible blush on petals. When well grown is a very fine flower, perfect in form and substance. Will rank with the finest of exhibition flowers. Growth about 5 feet in height. Bud August 20th.



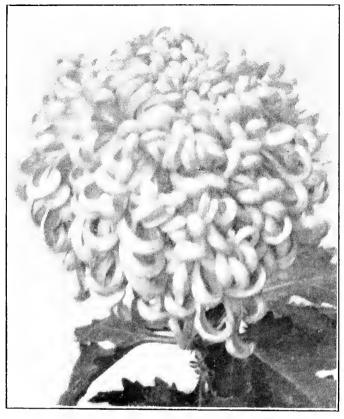


MRS. CHAS. W. JOHNSON

# MRS. CHAS. W. JOHNSON

Purest possible white, raised and named by the Secretary of the C. S. A. and certificated by this Society. Height about 4 feet. Bud August 25th and later. The foliage in this variety is carried right up to the flower and the stem is very rigid. Can be classed as a superb variety in all respects. Won C. S. A. Cup, New York, 1919, for best new variety not in commerce. Scored 97 points before C. S. A. Committee.









SERGEANT WM. E. YOUNG

# Chrysanthemum Novelties for 1919

#### MISS GRACE DURKIN

Lovely sport of Nerissa. Identical in every respect except color, which is a clear, light pink. This variety will doubtless gain many friends on account of its beautiful coloring. A splendid grower, with handsome foliage. Crown bud any time after August 20th. Height 5 feet.

\$1.00 per plant, \$10.00 per dozen.

#### CORPORAL J. FRED. PIPER

Immense yellow on the type of the old Col. Appleton, but much larger, and altogether better in color and growth. Stem and foliage ideal. Corp. Piper, is assured of a hearty welcome from growers of exhibition blooms looking for a really fine yellow. Crown bud any time after August 20th. Height 5 feet.

\$1.00 per plant, \$10.00 per dozen.

## SERGEANT WM. E. YOUNG

An enormous bronze, larger and heavier than W. H. Waite, though hardly so bright in color. One of the kind that is indispensable for short stem classes. Stem fully able to carry the flower erect. This variety will make a place for itself among all exhibitors. Bud after October 15th onward. Height 5 feet.

\$1.00 per plant, \$10.00 per dozen.

#### **VERMONT**

This variety won the C. S. A. Silver Cup in New York, 1918 Fall Show, for the best new variety not yet in commerce. It is a most welcome addition to our exhibition list of pinks. The flowers are of enormous size, reminding one very much of the old variety M. L. Rosseau. Every bud produces a perfect flower and we feel sure Vermont will rank as one of the very best pink varieties in cultivation. Bud August 1st to 15th. Height  $5\frac{1}{2}$  to 6 feet.

\$1.00 per plant, \$10.00 per dozen.

CHRYSANTHEMUM NOVELTIES FOR 1919—Continued



DELIGHT



An immense reflexed pink that was awarded the Certificate of the C. S. Scored 92 points. Color, clear, bright rose. Size enormous. Stem perfectly stiff and able to support the flower perfectly. Any bud after August 15th. Height 3½ to 4 feet.

\$1.00 per plant, \$10.00 per dozen.



HENRI VINCENT



EDDIE KNOPPING

#### **EDDIE KNOPPING**

Very large Japanese. Incurved in type. Beautiful rose-pink in color. Foliage rather small, which permits of much closer planting than ordinary varieties. We feel this variety has commercial possibilities as a midseason to late pink. Bud August 20th and later. Height 4 to 5 feet.

\$1.00 per plant, \$10.00 per dozen.

# New Early Flowering Variety

#### HENRI VINCENT

This variety proved itself to be by far the most profitable Chrysanthemum we have had in our greenhouses, coming into bloom as it does October 1st. Every plant carried six to twelve flowers on a two-foot stem. It has proved itself to be in every way the best pink ever handled. We particularly recommend this variety, as we know that just as soon as stock can be procured in large quantity it will be popular.

50c. per plant, \$5.00 per dozen.







JOAN OF ARC

# Introductions of 1918

Price: 50c. per plant, \$5.00 per doz., \$35.00 per 100.

# MRS. J. WILLIS BUHL

Crimson, of the very largest size and a welcome addition to this color, which is very much like Pockett's Crimson, but the plant is considerably taller in growth, running 5 to 6 feet. Bud about August 25th gives best result as to color, size and finish of flower.

# MRS. H. S. FIRESTONE

The outstanding Novelty of the year. The photograph does not begin to do justice to this flower. It is wonderfully massive, stem perfectly rigid and foliage right up to the flower. Color pinkish, chamois-buff. This variety will be found invaluable in the classes calling for "any other color," in the exhibitions. Height  $4\frac{1}{2}$  feet. First bud after August 15th.

# JOAN OF ARC

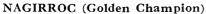
Named by President Wilson at the Cleveland Show. Very much like the old Pres. Carnot in type. Stem is absolutely stiff and easily able to carry the flower erect; foliage continues right up to the flower. Blooms are enormous in size and another year it will occupy a prominent place in the list of reflexed white 'Mums. Height 5 feet. Crown bud, August 15th and later.

# REFLEXED LOUISA POCKETT

Duplicate of Louisa Pockett in every way except that the petals reflex instead of incurve, but in all other respects it is identical; having large foliage, strong stem and enormous flower. Height 5 feet. Buds taken late August or early September give best results.









W. H. WAITE (See page 12)

# Introductions of 1917

Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

## **BOL D'OR**

Color, clear maize yellow; magnificent flower of the very largest size, forming a perfect hemisphere. This flower will be very popular for use either in a collection or as individual blooms. Height 5 feet. Crown bud after August 10th.

# LOUISA POCKETT

Color purest possible white. Mr. Pockett calls this his "greatest achievement," and has named it after his wife. He says it will, when generally distributed, displace the popular Wm. Turner, which has been the "King" of the exhibition tables for the past four years. Flower, stem and foliage are alike enormous. Plants need plenty of room to develop. Culturally speaking, when handled precisely the same as Wm. Turner, bud taken the same time, late August or early September, it will give splendid results. Certificated C. S. A. Height 5 feet.

# NAGIRROC (Golden Champion)

Finest exhibition bronze we have ever distributed; color, deepest glowing orange bronze, 45 inches in circumference; every petal reflexing showing the color to the best advantage. This is the variety exhibited at the shows under the provisional name of Golden Champion. Every bud makes a splendid flower. Stem and foliage perfect, height 5 feet. Any bud after August 15th. Certificated C. S. A.

# OCTOBER HERALD

Orange-yellow, similar in color to Old Gold or Modello; reflexing form, with somewhat twisted petals.



INTRODUCTIONS OF 1917—Continued

## OCTOBER KING

Deep golden yellow, petals most beautifully whorled as in the case of a well-grown flower of Wm. Rigby, and while the flower is not as large as that variety, it is fully ready to cut the first week in October, which is weeks before any other yellow approaching it in size is ready for the market. The blooms brought a phenomenal price in the markets this year. Certificated C. S. A., 1915, but enough stock was not available at that time to distribute it properly. No yellow can touch it for the early shows. Any bud after August 1st; height  $3\frac{1}{2}$  feet.

## PRESIDENT JOHN EVERITT

Color, very unique chamois-buff; when first opening, the petals are very closely incurved, forming a perfect ball, 27 inches in circumference. As the flower develops, the center petals open outward and show considerable of the bronzy-crimson reverse. Very dwarf, robust grower, and one of the largest flowers in the collection. This variety, with its enormous size and splendid habit will make its own place among the best "three exhibition bronze." Bud August 15th onward. Height  $3\frac{1}{2}$  feet.

## WILLIAM H. WAITE

Color, deep warm bronze so brilliant as to seem almost shading to scarlet, in some of the flowers, when compared with some standard variety such as Mary Mason, the superiority of its wonderful color is at once apparent. The standard is gradually climbing, but this variety shows a wonderful advance over previous introductions. Foliage right up to the flower and stem absolutely perfect. Bud early in August will develop, but bud taken around August 25th will show a more brilliant color. Height 4 to 5 feet. Certificated C. S. A.



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# Standard Varieties Exhibition Chrysanthemums

The following list are all splendidly adapted for exhibition and a few of them are useful for commercial purposes also, but they are placed in this section because they are more generally shown on the exhibition table.

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100, except where noted

#### **BOB PULLING**

In this variety we have a wonderful 'Mum. Color pure yellow; flower is extremely large and comes right down to the foliage; the individual petals are an inch and a half in width and some ten inches deep. Has proven itself to be the finest thing in yellow we have ever imported. Bud August 1st.

#### CRYSTAL GEM

Clear white; strong grower, very easily managed, with a high percentage of perfect blooms.

#### C. H. TOTTY

A glowing chestnut scarlet; flower, stem and foliage are alike enormous. One of the best all-around Chrysanthemums we have ever introduced to the American trade.

#### **CALUMET**

One of the very finest exhibition bronzes; large bloom, perfect in form and one of the easiest doers.

#### EARL KITCHENER

Amaranth, with a silvery reverse. An enormous flower in a color not too plentiful in exhibition 'Mums at the present time. Stem, foliage and flower are alike tremendous. There will never be any question about weak neck or poor foliage with this variety. Bud August 20th.

#### **ELBERON**

Large Japanese incurved, similar to Louiseau Rousseau in type and color; strong grower; stiff stem, with foliage well up to bloom.

#### F. S. VALLIS

Largest yellow in cultivation and indispensable for use in short vase classes.

#### **HARVARD**

Japanese reflexed, very dark crimson; in perfection November 15th and later.

#### LADY HOPETOUN

Generally captures the prize for largest flower in the show. It is slightly weak in the neck, otherwise would be the finest of all pinks.

#### MRS. R. C. PULLING

Clear yellow; an English variety, tremendous in size, which has made a wonderful showing in some of the exhibitions. Height 5½ feet. Crown bud August 10th and later.

## MRS. G. G. MASON

Very distinct variety; color blood red, with a gold reverse, though very, very little of the gold reverse appears. Its marvelous color will make it eagerly sought for in making collections. Height 5 feet. Crown bud August 20th. We were not able to fill all orders last year, but are now in position to supply satisfactory stock.

#### MRS. J. GIBSON

A phenomenal variety. Enormous alike in stem, foliage and flower; color light pink, shading to deeper pink lines on ends of petals. We exhibited this variety 10½ inches deep and 10 inches across. Certificated, C. S. A. and scored 89 points. Height 4½ feet. Bud as soon as possible after August 1st.

#### MRS. GILBERT DRABBLE

On an early crown bud from August 10th, this variety produces a marvelous flower; petals are arranged in a whorl, rendering them most attractive. Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

#### MRS. PAUL MOORE

Certificated on both commercial and exhibition scales. Color magnificent light yellow; stem perfectly stiff and foliage right up to the flower. An absolutely reliable sort to handle. Any bud. Height 3 feet.

#### MRS. G. LLOYD WIGG

Light yellow. One of the best varieties Mr. Pockett has ever sent out. Foliage right up to the flower and conforming in every respect to the ideal exhibition flower. Any bud after August 10th. Height 5 feet.

#### **MEUDON**

An immense flower of bright pink; same shade as Morton F. Plant. Habit of plant absolutely ideal. One of the strongest growers we have ever sent out. Dwarf grower, with beautiful foliage right up to the flower. Bud August 20th.

#### **NERISSA**

Bright, rosy mauve. Fine form and stiff, upright growth, with rigid stem.

#### POCKETT'S CRIMSON

The greatest thing in its color ever sent out. Crim on with a gold reverse. Makes a flower 9 inches across; splendid grower, with foliage right up to the flower.



#### STANDARD VARIETIES EXHIBITION CHRYSANTHEMUMS—Continued

## **QUEEN MARY**

When taken on a bud in July produces an enormous flower; too early for any but the earliest exhibitions. Pure white in color.

#### **ROSE POCKETT**

Old gold, shaded bronze. Purely an exhibition variety, but one of the finest kind sent out.

#### WM. RIGBY

(The Yellow Sport of Mrs. Gilbert Drabble)

This was the largest variety exhibited at the shows in 1915; color beautiful bright canary yellow. Lower petals of this variety are 1½ inches in width. While we have considerable stock on hand of this variety, it roots very poorly and orders will be filled

in strict rotation, so would advise ordering early. Exact duplicate of Mrs. Gilbert Drabble, except in color. First prize for largest bloom at the Cleveland Flower Show. Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

#### WILLIAM TURNER

The best variety we have ever introduced; it has created a sensation when exhibited at the shows. Makes a perfect ball of the purest possible white. One of the best commercial kind also.

#### YELLOW WM. TURNER

A light yellow sport from Wm. Turner; identical with its splendid parent in every respect, except in color; will be one of the most widely grown yellows for this season.

# Standard Varieties Commercial Chrysanthemums

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

#### ALICE DAY

An ideal commercial variety flowering Oct. 10 to 20. Certificated in New York and Philadelphia on the commercial scale, scoring 87 and 89, respectively; color purest possible white, with no poor buds; medium sized foliage, which permits of rather close planting. One of the most perfectly formed varieties ever introduced.

#### **AUTOCRAT**

Color snow white; growth dwarf and robust. We offer this variety as a late white, believing it will take its place with growers who are unable to handle Jeanne Nonin, as it can be gotten for Thanksgiving or Christmas, if desired; every bud forms a perfect flower. Certificated C. S. A., Cleveland, November 10th.

# **ANTIQUE**

A deep bronze sport of the favorite Dr. Enguehard. It is a duplicate of Enguehard in all respects save color. We recommend this variety to commercial growers where bronze varieties are popular. Treat similar to the parent in every way.

#### E. M. BENSON

Bright yellow in color, dwarf in habit, with splendid stem and foliage; ready to cut Oct. 10th, coming in before Chrysolora and is a splendid variety in every way.



AUTOCRAT

#### **BRONZE UNAKA**

A bronze sport of the popular Unaka and to the commercial men will be a very valuable acquisition, since there are no other bronze varieties coming in so early in the season, the first week in October. Color very attractive bronze which sells at sight; and any commercial grower who can grow Unaka should also grow this bronze companion—which is a duplicate in growth; foliage, and everything else except color.

#### **CHIEFTAIN**

A beautiful, incurving pink of perfect shape. Certificated in Boston, Philadelphia and Chicago. Perhaps the finest incurved pink commercial variety in cultivation today.

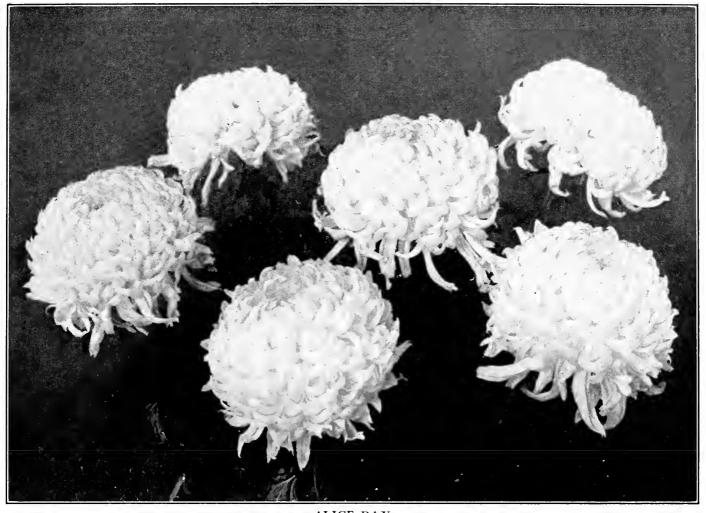
# COLONEL APPLETON

At one time the most largely grown yellow in cultivation. It is too well known to need description.

#### **CHRYSOLORA**

This new variety can be briefly described as an early Col. D. Appleton, coming in 15 days earlier; is of larger size, stronger stem, not quite as tall. and in color is intermediate between this variety and Major Bonnaffon. Best buds are those selected August 15t to 15th.

STANDARD VARIETIES, COMMERCIAL CHRYSANTHEMUMS—Continued



ALICE DAY

#### DR. ENGUEHARD

- Very largely grown as a late commercial pink.

#### EARLY FROST

Most popular early white, coming into flower September 15th, onward.

#### HAMBURGH LATE WHITE

White sport of Maud Dean; very largely used as the latest commercial white.

#### MARIGOLD

A monster yellow; flower unsurpassed both in size and color in its season; our first flowers of this variety were cut October 5th, this year. Must be secured on an early bud.

## OCTOBER QUEEN

Beautiful flower of purest possible white; very large size; strong stem and fine foliage.

#### OCONTO

White; fine, large blooms on very strong stems; largely grown for its period, which is early midseason.

#### POLLY ROSE

Splendid white. Very easily handled and grown in large quantities for the wholesale market.

#### SMITH'S ADVANCE

One of the earliest large-flowering white varieties; can be had by September 15th.

#### TINTS OF GOLD

The earliest bronze variety to bloom. Can be cut in excellent condition September 25th.

#### **TEKONSHA**

Incurving bronzy yellow coming in for Thanksgiving. Strong, upright growth and very distinct habit.

#### UNAKA

The long sought early October pink Chrysanthemum. A broad-petaled Japanese incurved of great depth and size for so carly a variety.

#### WHITE SEIDEWITZ

White sport of the popular Seidewitz, resembling it in every respect except color, which is a pure white. This variety should rank, as does its parent, as one of the best varieties for 'Xmas blooming.

#### WELLS' LATE PINK

One of the finest things sent out in its color in many years, flowering from November 10th onward. Crown bud after August 25th.



#### STANDARD VARIETIES COMMERCIAL CHRYSANTHEMUMS—Continued

# WHITE CHIEFTAIN

Pure white sport of the variety Chieftain; duplicate of the parent in all respects save color, which is a pure white. One of the most valuable commercial varieties in cultivation at the present time.

#### YELLOW ADVANCE

(Rowe)

Yellow sport of the well-known Smith's Advance coming in as it does the latter part of September and is exactly identical with Smith's Advance, except that it is bright yellow in color. Yellow Advance is well worthy of a place in the early section which during



CHIEFTAIN (See page 14)

the past year produced more adequate returns than the later sorts. We have a large stock of this variety so are enabled to quote same at a reasonable price.

# The Sensational Set from Tokio

Extracts from "Mythological Japan"

"If it is to be an honor to merit the favor of Royalty, then the noble Chrysanthemum is indeed satiated with honor—for is it not the Emperor's flower, preferred above all others? Symbolizing a gentle disposition, happiness, virtue and repose and associated



**AM ATERASU** 

with longevity because of the extraordinary life of its bloom, it is naturally held in high esteem by all classes, particularly as the sixteen petaled variety forms the imperial crest of Japan."

We introduced the following list in 1918, but owing to war conditions they were only distributed to a limited extent. We suggest that every exhibitor who has a greenhouse, try a few of these weirdly beautiful flowers.

Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

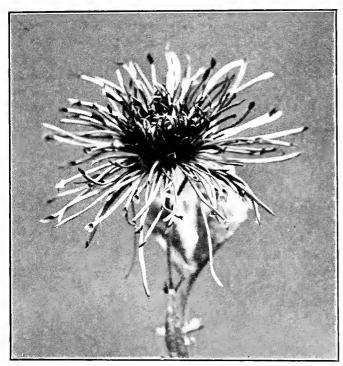
#### "AMATERASU"

(The Sun Goddess)

Heavy quilled petals which follow no set design but twist and curl like a very informal cactus Dahlia. Color is yellow, as the name implies.







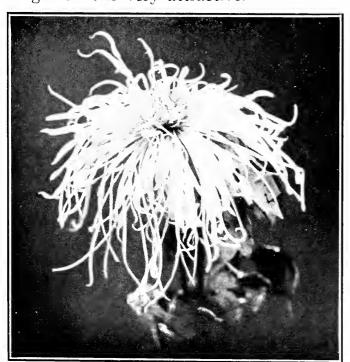
BENTEN

## "BENTEN" (Goddess of Beauty)

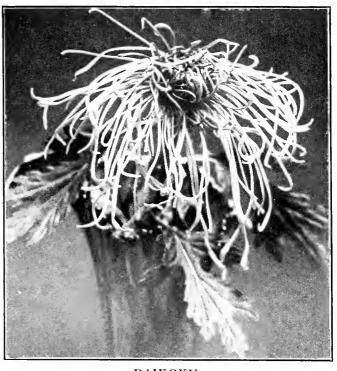
Quilled petals standing straight out from the center; color, green gold at center with blood red tips; no Chrysanthemum introduced to date has the peculiar shadings found in "Benten."

## "DAIKOKU" (God of Wealth)

Evidently a sport of Fugi, since it resembles it very closely, except that the petals are a combination of pink and pale green; each individual petal twists, showing the pink in one place and the pale green in another and when the whole flower is seen together it is very attractive.



**FUGI** 



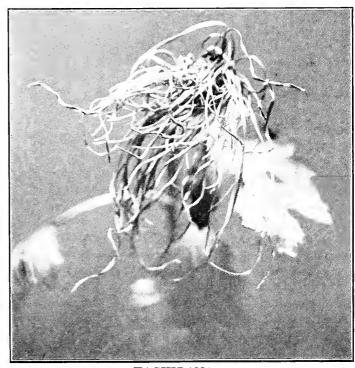
DAIKOKU

## "FUGI" (The Wistaria)

The largest of the entire set; pale lavender in color with very narrow petals hanging down 8 or 10 inches in length. Very refined type. Splendid foliage and stem.

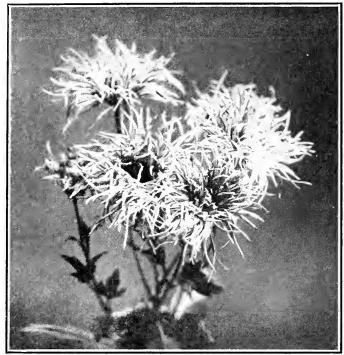
## "TACHIBANA" (The Orange)

Looks exactly like a mass of corn-silk and when the flower is removed from the stem it is impossible to believe it to be a flower, certainly no one would think it was a Chrysanthemum.



TACHIBANA







JU-JUTSU

SAM CASWELL

# Feathery, Spidery and Thread-Like Varieties

Price: 30c. per plant, \$3.00 per doz., \$20.00 per 100.

#### JU-JUTSU

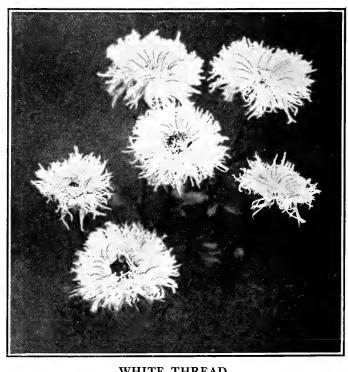
This 'Mum reminds one of the old-fashioned peppermint-sticks, inasmuch as half the petal is white and the other half deep pink. The petals alternating make this a most fascinating variety. Spidery type.

#### SAM CASWELL

Somewhat resembles White Thread, except that it is larger and the end of each petal is divided into three points; the color is a brilliant rose-pink and a spray of this variety is a pleasing and attractive sight. Feathery type.

#### WHITE THREAD

A beautiful and interesting variety resembling nothing so much as a quantity of short white threads growing on a stem. In contrast with large varieties in any exhibition it always calls forth great interest. Thread-like type.



WHITE THREAD



# Pot Plants, Caps and Decorative Varieties

The following varieties are listed separately for the convenience of the buyer, and are all particularly adapted for pot plant work. This is not to say that many other varieties not here listed are not adapted for pot plant work also, but these are the kinds usually grown for the wholesale markets in large quantities. They are often handled very satisfactorily by being planted out in the open ground in May, kept pinched into shape and potted September 1st. So treated they are a very profitable crop, blooming from October 15th to the en'd of the season, according to variety.

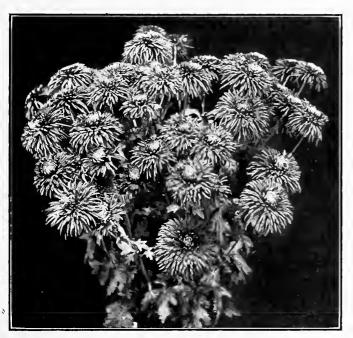
Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.

## **BELLE MAUVE**

A good all-around variety; rose-pink in color, very largely grown.

#### **BUTLER'S CAPRICE**

Deep pink sport of Caprice du Printemps.



SOURCE D'OR

## CRIMSON QUINTUS

× Excellent decorative variety; deep crimson, with splendid contrasting foliage of dark green.

#### CRIMSON SOURCE D'OR

Crimson sport of Source d'Or, the showiest variety of all the decorative types.

#### CAPRICE DU PRINTEMPS

Rose-pink sport of Caprice.

## **GASTON QUINEAUX**

Brightest, glowing scarlet-crimson; very fine. Dwarf, handsome grower, one of the very best in this section.

#### KATHLEEN THOMPSON

The crimson sport of Caprice.

#### LIZZIE ADCOCK

Deep yellow sport of Source d'Or. Precisely like the parent in every respect as to growth and culture.

#### LILAC CAP

Deep lilac sport of Caprice.

#### MRS. GREENING

Pale pink sport of Caprice.

#### PURPLE CAP

Bright purple sport of Caprice.

#### SOURCE D'OR

Also known as Golden Feather. A wonderful variety when grown in sprays.

#### WHITE CAP

Pure white sport of Caprice.

#### YELLOW CAP

Brilliant yellow sport of Caprice.

#### YELLOW TRIUMPHANT

Clear, bright yellow; one of the best to grow.









GRAF VON ORIOLA

# Japanese Anemone Chrysanthemums

The Anemone 'Mums should not be confused with the Singles or Pompons. They are entirely distinct and are readily identified by the large central boss composed of a myriad of smaller short petals.

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.

#### **CLEMENCIA**

Deep pink, shading to a deeper pink in the center cluster; this latter is very prominent, since it is just crowded with petals and reaches across the flower about 4 inches. At first glance it reminds one of an artificial flower of crepe paper as the petals are very crisp and showy.

#### **ELEANOR**

A lovely dainty shade of Enchantress-pink. Whether grown as a large-flowered variety or to be cut in sprays it is equally beautiful and should be in every collection.

#### GRAF VON ORIOLA

Strongest grower of the set; color pure rose pink; tubular petals in center tipped gold; ends of the outer petals incurve slightly, making a bold and striking appearance; very bright foliage.

#### GRAF VON FLEMING

This is a charming variety; color of the purest pale lavender; the petals of this exquisite flower are very narrow and refined; the outer petals are tubular until they reach the edges, where they open and droop back. This was one of the most popular in the shows this Fall.

#### **GARZA**

Pure white, the outer or guard petals form a perfect hemisphere and one of the best to be grown for pot work or to be used as a cut flower. Very largely grown for Thanksgiving market.

#### JAPANESE ANEMONE CHRYSANTHEMUMS—Continued





JUNO

PEPITA

#### **GODFREY'S PERFECTION**

Late variety which comes in excellent condition for Thanksgiving. Dwarf, robust habit, very stiff stem. Color of flower a beautiful, clear white.

#### **INNOCENCIA**

Outer petals of pure white; central petals most beautifully flushed pale pink; edges of the tubular petals in center of light yellow. Fine growth; an exquisite variety.

#### JUNO

Deep lilac, shading to white; the center head being loose and graceful and of a deeper shade than the outer petals; a magnificent variety in its color; foliage and stem all that can be desired.

#### **PEPITA**

Pale pink outer petals, with orange-yellow center; a delightful combination as seen in this type of Chrysanthemum. This flower is much heavier than many. of the other varieties; the petals being of such strong texture permits of its being shipped considerable tance and arriving in perfect shape.



TITIAN BEAUTY

#### **SURPRISE**

Brilliant rosepink; one of the largest and very finest in this section.

#### TITIAN BEAUTY

Color deep, rich bronze, shading in center to scarlet. Personally, we consider this the most striking of the collection; outer petals reflex, showing the center to advantage; the plant is very strong in growth, with heavy dark green foliage.

#### JAPANESE ANEMONE CHRYSANTHEMUMS—Continued





WEE WAH

WILFREDA

#### WILFREDA

Outer petals pale yellow; center petals bronzy, tipped straw yellow. Plant is a very strong grower and the flower holds itself very stiff and erect, when cut on long sprays. This is a distinct appearing variety as the petals on the flower stand out at right angles from the center tuft.

#### MRS. OWEN WINSTON

Remarkably brilliant yellow, with a deeper center. This is a very handsome growing variety, clean cut and vigorous. One of the best to be grown for cut flowers for the commercial market.

#### WEE WAH

This is a gorgeously colored sort: the general effect is terra cotta, shading to bronze yellow, somewhat of a flame color; the outer petals are very brilliant and distinct looking, as though gold dust were powdered over their yellow-crimson color. This is a dwarf, handsome grower and should be very popular.



YELLOW PRINCE

# YELLOW PRINCE

Maize vellow, with center of brilliant orange yellow; fluffy variety, the tubular petals are loosely arranged in center, giving the flower a very light and airy appearance. One of the most attractive of the group, in color and style of growth.





CRANFORDIA

DEBUTANTE

# Hardy Garden Section

The varieties that follow are all perfectly hardy providing they are grown in a section that is not too wet. If the stock plants are water soaked all Winter, or frozen up in cakes of ice, they will not survive, but given congenial growing conditions and a slight protection of dry leaves with pine branches over them to prevent the leaves blowing away, they will come through without any trouble. Then in the Spring, after they commence to grow, they should be divided so just one shoot will remain to make the future plant. While the first frost will blast the flowers that are developed at the time, it will not injure the unopened buds, and the outdoor 'Mums can be enjoyed to their fullest extent all through the lovely "Indian Summer" weather.

# Early Flowering Chrysanthemums

This type of Chrysanthemum deserves a place in every garden, coming as it does after the Summer flowers have begun to wane, and continuing to bloom profusely in most places until well into November. The cultivation of these 'Mums is simple: Plant them in a rich, well drained piece of ground, setting out the plants a foot apart and pinching them once or twice during the months of May or June. They will branch out and make beautiful bushes and give the cultivator more return for the labor expended than any plant in the garden. There is a place for this type of 'Mums in every garden in America, whether one has green-houses or frames or not. Some growers who have grown these as pot plants have had great success with the same and we can recommend them highly for that purpose.

#### STANDARD VARIETIES

Price of these varieties: 20c. each, \$2.00 per doz., \$15.00 per 100. Our selection, \$10.00 per 100.

#### A. BARHAM

A beautiful orange bronze and the first variety of this color to come into flower. Shows up wonderfully well under light when used as a decoration.

#### BELLE MAUVE

Mauve in color; a first-class variety; blooms early and is very free-blooming.

#### CHAS. JOLLY

Bright, rosy pink; splendid variety and popular with everyone.

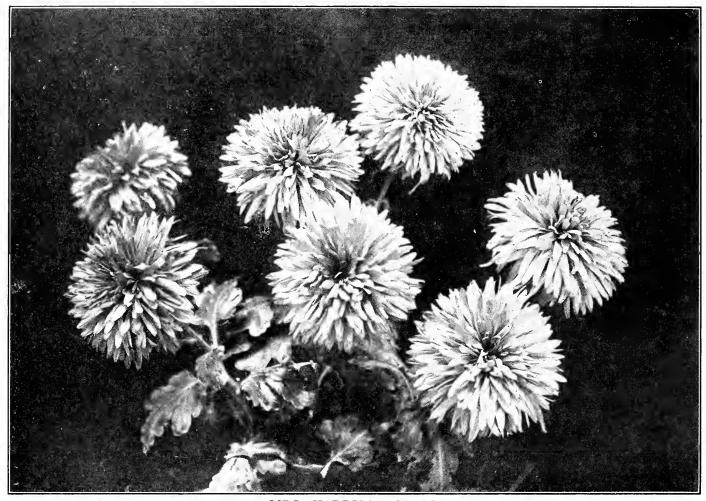
#### CRANFORDIA

In this variety we have an early-flowering 'Mum that covers every possible point; perfect in flower and stem; foliage up to the flower and every plant will carry twelve to twenty beautifully finished flowers. We cannot too strongly recommend this variety to grow in large blocks for cutting, as we are positive it will fill all requirements. Color deep, bronzy yellow.

#### **CARMELITE**

Deepest golden yellow; very free.

EARLY FLOWERING CHRYSANTHEMUMS—Continued



MRS. HARRISON CRAIG

#### **DEBUTANTE**

Pure white in color, perfect in shape and if the plant is pinched until July 1st will give quantities of snow white flowers on stems amply long enough to use as a cut flower.

#### **FIRELIGHT**

Brilliant carmine, shaded with scarlet. In perfect condition to cut October 1st, either outdoors or under glass. The earliest and best thing in its color.

#### HORTENSE MALGAT

Color a magnificent pink. In full flower October 1st. One of the choicest varieties we have. Very productive.

#### MRS. HARRISON CRAIG

One of the most unique colored varieties we have ever handled or disseminated, the groundwork of the petals being yellow overlaid with brilliant, orange-erimson, which on first inspection looks as if it were fine powder sprinkled over the flowers. These blooms created a furore wherever shown; showing up even more effectively under artificial light; dwarf and robust growth, ideal in habit and a variety that we predict will be grown for many years on account of its marvelous color, handsome habit and hardiness.

#### **NELLIE BLAKE**

Chestnut crimson; in full flower September 20th. Dwarf, handsome variety.

#### MRS. DEAN EMERY

Color, brilliant chamois-pink, on the style of Le Paetole; flower exceptionally large and distinct, and wonderfully lasting. This variety does not have the tendency to run to bud as do so many of its type, but starts growing early in the season and continues to do so for many weeks. Stem and foliage ideal.

#### **NORMANDIE**

Creamy white; magnificent variety. The earliest and perhaps the best.

#### SMITH'S ADVANCE

One of the earliest of the large-flowering white varieties that can be gotten in by September 15th, and blooms profusely in great masses in the hardy garden by October 1st.

#### SOURCE D'OR

Sometimes called "Golden Feather;" a wonderful variety when grown in sprays or as a pot plant. Deep reddish-bronze.

#### TINTS OF GOLD

The earliest bronze to flower, and makes a wonderful glowing bush if not disbudded. When the individual flowers are disbudded they will produce flowers as large as the greenhouse sorts.

#### YELLOW ADVANCE

The yellow form of Smith's Advance, identical in every respect except yellow, which is a bright golden yellow. Flowers very large and full.





30c. per plant, \$3.00 per doz., \$20.00 per 100.

#### **GLORIANNA**

Bronzy amber with pink shadings. Plant is an excellent grower with perfectly stiff, erect stems. Free flowering. A most desirable all-round va-Awarded a riety. Certificate by the Chrysanthemum Society of America.

#### GRANT B. **SCHLEY**

Late variety, growing considerably taller than the average Single; splendid for Thanksgiving and later. Color, lovely combination of orange gold, changing to bronzy scarlet. Created more favorable comment than any other variety in our exhibition house this Fall.



**GLORIANNA** 



LILY NEVILLE

#### **GEM**

Pure white Single, with brilliant gold center, coming about a week earlier than Mensa. Ideal habit and growth. A splendid acquisition for any hardy Chrysanthemum Garden.

#### KATHLEEN MAY

Very brilliant crimson; with some six rows of petals, making the flower almost too heavy to be called a Single, although it has the open center of the Single types. Too late for the Shows but one of the best red varieties for Thanksgiving cut flowers. Stiff stem and foliage ideal.

#### LILY NEVILLE

White, of great substance and size, with solid flowers nicely arranged on the stems. This variety scored 94 points before the Chrysanthemum Society of America. This variety is also adapted for pot plants as well as cut flowers since it is a dwarf, stiff grower.

SINGLE CHRYSANTHEMUM NOVELTIES OF 1919—Continued



MRS. CHARLES CLEARY

## MILDRED PRESBY

One of the very finest pink varieties we ever introduced. Color bright lavender pink, with petals curling slightly toward the tips, giving the flowers a novel appearance. This variety scored 95 points before the Chrysanthemum Society of America, which is the highest scoring ever given a Single 'Mum, at any time. Magnificent foliage and stiff stem all go to make this one of the best introductions to date.

#### ROSE M. DALY-

In this variety the straggly habit of some Singles is entirely eliminated, as the plant makes long graceful sprays on fairly wide foot-stalks. The color is a splendid deep yellow, deeper than any other yellow variety in the house this year and we highly endorse this new variety to give entire satisfaction to anyone growing it.

# MRS. CHARLES CLEARY

Brilliant bronzy-red with yellow zone around the center. Yellow suffusion of the center runs along through the petals. Stem is very stiff and habit of the plant very fine.

#### PHYLLIS LAWLOR

Bright flowers of scarlet-crimson changing as the flower ages to a reddish-bronze. Very fine grower; splendid habit, brilliant dark green foliage, which in contrast with the bright flower makes it a very showy variety.



ROSE M. DALY



**EXCELSIOR** (See page 28)

GOLDEN MENSA (See page 28)

MRS. W. E. BUCKINGHAM

# Single Chrysanthemums

#### STANDARD VARIETIES

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.

#### **ARTEMIS**

Sunlight-yellow; exceptionally strong foliage and stem; this variety needs no disbudding, as the stems are long and flowers well placed. In every way one of the most charming varieties in this color. Certificated C. S. A.

#### BRONZE BUCKINGHAM

When we say this variety is a duplicate of its parent in every respect except color, little more description is necessary, for Buckingham is one of the best known Singles. Color is a cheerful glowing bronze, and the commercial growers who are handling Buckingham for market flowers, will welcome this bronze companion with open arms.

#### **BEATRICE**

Brilliant old gold with lighter shadings in the center; one of the most popular varieties ever staged on the exhibition table. Foliage broad and glossy and stem very rigid.

## BERTHA FAIRS

Brilliant rose-pink; one of the earliest to come into flower with us, as it was fully open around the third of October. Valuable as a garden variety on account of its early season of blooming. Color most exquisite.

#### CARLOTTA

A careful perusal of Ridgeway's color chart establishes the color of this variety as near as we can come to it as a Massicot yellow, fading eventually to white; the growth is ideal, the individual foot stalk being very stiff, and conforming in every respect to the ideal commercial growth; very dwarf in habit. In flower November 10th.

#### CHARLOTTE WAITE (Waite)

Deep rose-pink, with bright yellow center. This variety has been grown outside the last three years, and is absolutely hardy. The strong point in its favor is that it is always in flower the 5th of October. Splendid dwarf habit which does not require staking. Plant will make a round, compact bush 2 to 3 feet across, and when fully in flower, its lovely pink blossoms are a sight not easily forgotten.



BEATRICE

#### ${\bf SINGLE~CHR\,YSANTHEMUMS} - {\it Continued}$



BRONZE BUCKINGHAM



BERTHA FAIRS

#### **CARDINAL**

Color most brilliant crimson; has several rows of petals, giving the blooms considerable body and causing it to show up magnificently in a collection of varieties.

#### **EXCELSIOR**

A gorgeous variety. When first opening almost a scarlet, which afterward changes to bronze and flame color. One of the very largest and most attractive singles ever introduced.

## **DAINTY**

A seedling from the old Indicum, and for those who are looking for something different for made up work, such as dinner table or bas-ket decoration, will be of great service. It is a fine compact grower good either as a pot plant, or planted out in the open. It has very delicate stems, but as stiff as wire. The flowers are a pleasing yet somewhat strange combination. The buds are reddish bronze, the opening flowers a yellowish pink, and the full open flowers a delicate rose pink. The flowers, are small and Daisy-like. It is altogether, a simple and beautiful variety and well named "Dainty."

#### **ELSA**

Snow white, with a lovely golden-yellow center, making a lovely plant when grown in sprays.



DAINTY

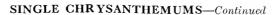
#### **FERNRIDGE**

When first opening is practically a brilliant scarlet, which gradually fades to a terra cotta. Light, graceful growing variety, and in color one of the most attractive ever sent out, as a bright gold zone around the center makes a beautiful combination of scarlet and gold, not often seen in a Chrysanthemum.

#### **GOLDEN MENSA**

The parent of this variety, Mensa, is probably the finest Single that has ever been raised. It is of a wonderful size, with enough petalage to enable it to be shipped thousands of miles and come out of the box in perfect condition. In Golden Mensa we have a yellow sport of the same, identical with Mensa in every way except color, which is a bright, golden yellow.







**IDA CATHERINE SKIFF** 

#### H. MARIE TOTTY

We consider this the finest Single we have ever had the pleasure of introducing; the flowers are a little late for the first shows, but are in perfect condition by November 10th, and keep splendidly from then until Thanksgiving. Color is a brilliant crimson, with scarlet shadings near the center of the flower, center is bright green and the flower has a bright zone of yellow near the disc around the petals.

#### **HELIOS**

Chestnut-scarlet, occasionally flecked with yellow at the tips. The individual petals twist back making the flower look as though the petals were quilled. Foliage and stem particularly pleasing. When planted within the garden where it can be associated with Autumn foliage at blooming time it is most attractive.

## IDA CATHERINE SKIFF (TOTTY)

Most quickly described as a greatly improved Yvonne; color is a brilliant bronzy amber, flowers large and well placed on the stem, needing no disbudding owing to the length of the foot stalk; an invaluable variety for cut flower work.

#### **IVOR GRANT**

A splendid rose pink, single, with a white zone around the brilliant yellow center. A very valuable addition to the many wonderful pinks already in cultivation.

#### **IRENE**

Deep lavender, with bright white zone, round center; carries three rows of petals. The first in its color to open with us this year, being ready to cut October 1st.

#### JOSEPHINE SCHOLTMAN

Pale lilac in color with white zone around the immediate center of the flower. This variety was well shown at the Cleveland exhibition, where it was much admired, on account of its delicate shadings.

#### JOAN EDWARDS

Beautiful pink; a very handsome variety.

#### LOUIS SPEARS

Brilliant chestnut-crimson; plant a very strong grower, needs to be disbudded as the flowers are rather closely placed on the stem. The individual petals have considerable texture and finish off to a point.

#### MRS. W. H. WAITE

The flowers open a soft Enchantress Carnation pink, and when fully expanded, are pure white. The combination of the two colors, of the opening, and full open flowers, make a charming combination.



MISS RUTH S. BERGEN (See page 30)



SINGLE CHRYSANTHEMUMS—Continued

#### MRS. LOU THOMPSON

Primrose-colored sport from Mensa. Must not be confused with Golden Mensa, which is considerably deeper in color.

#### **MENSA**

Purest white. This is a splendid variety. Certificated by C. S. A.

#### MRS. ALBERT PHILLIPS

Deep lavender in color, one of the earliest of the Singles to develop this year; fully open October 5th. When first opening the contrasting color is a lovely cream, charming and beautiful.

#### MILLICENT PIPER

Most quickly described as an earlier Mensa, coming into bloom 10 days before Mensa; equally as large and vigorous in habit and not so subject to disease as Mensa. This variety was in the market and sold before Mensa was ready to ship, and proved itself a most profitable sort.

#### MISS RUTH S. BERGEN

Brilliant amaranth with a straw-yellow zone around the center; the picture shows sprays of this



MRS. ALBERT PHILLIPS

Single cut outdoors from a plant which made a growth 6 feet high and carried numerous sprays of flowers with 12 to 16 blooms on a spray. This

variety was raised outdoors without having ever been grown in a greenhouse and is particularly strong and healthy.

## MRS. JOHN A. STEWART, Jr.

A lovely bronze with yellow zone immediately around the center disc; just the color that associates itself with Autumn foliage; probably the most popular variety we exhibited at any of the exhibitions. Certificated by C. S. A.

#### MRS. CHAS. C. MICKLE

Splendid flower, conforming in all respects, to the type; color the purest possible white, bright golden center; a great improvement on R. B. Burge; in habit and flowering about a week later. Certificated by C. S. A. with a score of ninety points.

#### MRS. E. H. WELLS

Petals creamy white in center shading to palest lavender on outer edges; refined and beautiful flower the admiration of all who have seen this variety both in greenhouses and at the exhibitions.



MRS. W. H. WAITE



#### SINGLE CHRYSANTHEMUMS—Continued

#### MRS. H. SHOEBRIDGE

This variety has only a single row of petals, which are most artistically twisted and whorled; color a lovely shade of rose pink and this variety we feel sure will find a place in every establishment.

#### MRS. W. E. BUCKINGHAM

Midseason pink, has proved itself one of the best varieties for cutting or market purposes ever introduced. We cannot too strongly recommend this variety, as it fills all the requirements of an ideal market\_Single.

#### MRS. E. D. GODFREY

Light pink; same shade as Lady Hopetoun; very finest variety for Thanksgiving market; very strong grower and more largely grown than any other single.

#### MRS. MAX BEHR

Shiny chestnut scarlet; very dwarf grower and the flowers are closely placed together, therefore, should be slightly disbudded to give best results. A splendid variety in every way stem, foliage and habit being all ideal.

#### PORTIA

Deep salmon bronze shading in center to a bright flame; splendid habit. This variety created a sensation wherever shown at the Fall exhibitions.



**SUPREME** 



PORTIA

#### PHYLLIS BRYANT

Sulphur yellow. The flower is absolutely perfect in outline and one of the very finest yellows we have so far received for cutting and shipping. strongly recommend this variety to every grower.

#### DOLLY DUNCAN

Canary yellow. Flowers very large and borne erect on good, stiff stems. A most desirable variety.

#### RICHARD DELAFIELD

Exceptionally novel in color; a very deep terracotta with scarlet shadings. One of the most brilliant varieties we have ever distributed. When shown in conjunction with a white variety the effect is marvelous.

#### **SUPREME**

Glowing crimson; much the finest thing in this shade we have ever introduced. Flowers are well divided on the stem and need no disbudding as they are extra large in size. Supreme will be the standard crimson another year.

#### **SNOWFLAKE**

Purest white. A large, splendid flower that is most attractive.

#### STANLEY VEN

Lovely rose color; sprays are well divided, doing away with the necessity of any disbudding. Certificated at Philadelphia, Boston and Chicago.



#### SINGLE CHRYSANTHEMUMS—Continued

#### **VERONICA**

A chastely, beautiful variety; lower petals delicately flushed the palest possible pink, the center of the flower is white, the petals instead of coming to a point as many Singles do, are delicately rounded. The plant is ideal in growth and will carry six or eight flowers on every spray as the foot stalk is long and the flowers equally well divided.

#### VIVIAN COOK

A delightful addition to the already large list of yellow; coming in as it does a week before Golden Mensa, with a larger flower, it fills in nicely; the color is a brilliant canary yellow, somewhat different from any other yellow over sent out.

#### **YVONNE**

Brilliant, bronzy amber, on the style of Dorothy Dann, but a shade lighter in color.



VERONICA

# Improved Hardy Varieties

Price: 20c. per plant, \$2.00 per doz., \$15.00 per 100.

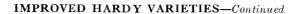
The following varieties represent the selection from hundreds of sorts we tested in order to get the very finest for your garden. They average very much larger and better than the standard varieties; are ideal in habit and growth and are not prone to suffer leaf disease as are some of the smaller types known as the "Button" varieties. Mrs. Francis Bergen, by being disbudded can be grown just as large as the indoor varieties; and Lillian and White Doty are known from coast to coast. These are superior Pompon varieties.

#### CONNIE DICK

This has been aptly termed the "Yellow Doty." It is almost identical in every respect except color, which is a clear glowing yellow; very striking in contrast with other varieties. We feel that Connie Dick is the most valuable variety ever introduced in the large flowering Pompon section, as the habit is ideal; growth strong and stiff stems with glossy foliage, a fascinating variety seeming to possess every desirable quality. 30c. per plant, \$3.00 per doz., \$20.00 per 100.

#### **DONALD**

Light pink; very fine grower, large and sturdy, flowering outdoors in a sheltered situation up to Thanksgiving.



### **GOLDEN CLIMAX**

Orange yellow. In our opinion the finest of the many yellows now in cultivation, possessing every necessary qualification. This variety has been admired more than any other variety in the exhibitions, particularly at Chicago. Truly named, as it does not seem possible to improve on this variety.

### **KENNETH**

This is a pure white variety that has been disseminated for several years, and is well known throughout the country wherever Hardy Pompons are well grown.

### LILLIAN DOTY

It is much the finest pink in the large-flowered section of the entire Pompon family. The plant is a tremendous grower and will make stems four and five feet long, producing beautiful sprays of clear, light pink flowers.

### **MARY**

Pearl white, flushed pink, coming into bloom about November 1st, and can best be briefly described as an improved Grace.

### MRS. FRANCIS H. BERGEN

Creamy white with center of rosy pink, shading to lighter pink in the outer edges. As the flower ages it changes to a charming pale lavender. We consider this the most valuable of the many sorts introduced, for garden work; blooms October 25th.



CONNIE DICK

### **NIPPON**

This Pompon makes an ideal pot plant, being short-jointed and bushy in growth, forming a perfect plant with practically no pinching. Color flesh white, with light yellow center. We strongly recommend this variety for either pot plants or bench culture, as well as being one of the best outdoor varieties we ever introduced. Season of flowering, first week in November.

### **WESTERN BEAUTY**

A deep rose-pink, rather late for the shows, but one of the best Pompons ever introduced.

### WHITE DOTY

A sport of the popular variety, Lillian Doty, and a duplicate of the parent in every way, except color, which is pure milk white. This is a hardy plant that will grow outdoors just as well as in the greenhouse, and will give the grower wonderful results grown either way. Every stem on the plant carries a spray of eight or ten perfect flowers, and with its bright, glossy, green foliage and stiff, erect growth, this charming variety fascinates everyone.



# Types of Hardy Chrysanthemums

# SINGLES : EARLY FLOWERING POMPONS

- No. 1. MRS. ALBERT PHILLIPS
- No. 2. CHARLES JOLLY
- No. 3. CRANFORDIA
- No. 4. PINK CAP
- No. 5. WILLIAM WESTLAKE
- No. 6. MISS B. HAMILTON
- No. 7. MENSA
- No. 8. IDA KATHERINE SKIFF
- No. 9. HORTENSE MALGAT
- No. 10. DONALD
- No. 11. CONNIE DICK
- No. 12. RENA

For the benefit of new customers not familiar with the Hardy 'Mums, we have prepared this color page opposite, showing the different types of Hardy 'Mums; Singles, Early Flowering and Pompons. We will send a collection of 100 plants, composed of the different types herein shown, for \$10.00. This is a special price on an introductory offer, and individual stock of the different varieties must be purchased at the regular prices in other parts of this catalog. To obtain this special price one must take the entire collection of twelve kinds, selection to be left to us.







# Novelty Hardy Pompons

We have pleasure in presenting the following list of new Pompons, which we believe may be almost termed a forerunner of a more vigorous type. Three of the varieties attained a height of 4 feet and were exceptionally strong and robust. Their constitution being so strong renders them almost immune from leaf disease, which practically decimated so many of the outdoor Chrysanthemums this Fall. The number of Pompons is legion,

but these varieties are so far in advance of other varieties now on the market that these will be the leaders in their respective colors.

Price: 50c. per plant, \$5.00 per doz; \$35.00 per 100.

### ANNA L. MORAN

Of all the many Chrysanthemums we have distributed the last fifteen years this is our favorite in the Pompon section. The color is splendid—a brilliant, flame-scarlet, so vivid as to be easily the most striking flower in the entire collection. The flowers are nicely divided on the stem without disbudding and the growth, foliage and stem are all that can be desired. The individual flowers on this Pompon are large, on the order of the Doty type, and it is worthy of note to the commercial growers, that this variety in a glutted market brought 50c. per spray, wholesale price, which with us is a record for Pompon 'Mums.



NELMA PUTNAM



ANNA L. MORAN

### NELMA PUTNAM

The outer petals of this variety are rosepink shading to pinkish-bronze in the center, and the very center of the flower is creamyyellow. The color effect is very pretty and a row of it planted in the garden makes a very showy effect for three or four weeks in the Fall.

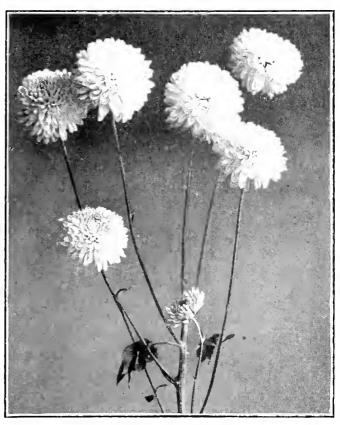
### MRS. H. HARRISON

One of the first of the Pompons to come in flower, being in excellent condition to cut outdoors the middle of October and also in the greenhouse bench. The color of this variety indoors is a dainty exquisite blush. As grown indoors it is several shades deeper. Every commercial grower who came around our establishment made a note of this variety to use in their collections next year. Mrs. Harrison has a very vigorous constitution and makes a beautiful bush outdoors.

#### NOVELTY HARDY POMPONS—Continued







FRANCES HUCKVALE

### FRANCES HUCKVALE

Gardenia white, with a creamy shaded center. Far in advance of Queen of the Whites, or any other pompon. An exquisite variety to use for cut flowers being particularly valuable also for florists' made-up work.

### MRS. CHESTER ROBINSON

This variety is a very tall, strong grower, running  $4\frac{1}{2}$  to 5 feet tall in the benches. Flowers are very large, as large or larger than Doty, which it somewhat resembles, though it is deeper in color, being a lovely old rose shade of pink. Exceptionally robust in growth, with the stalk rigid and every flower well divided on the stem, so that no disbudding is necessary.

# MRS. HENRY F. VINCENT

An exquisite shade of fawn and bronze with salmon-pink shadings, a color that was one of the most popular shades in New York during the season just past. This variety also is very strong in growth and the foliage is perfect in every way. We predict this will be one of the most popular Novelty colored Chrysanthemums when generally introduced.



MRS. CHESTER ROBINSON



NOVELTY HARDY POMPONS—Continued

### JULIA DE WITT

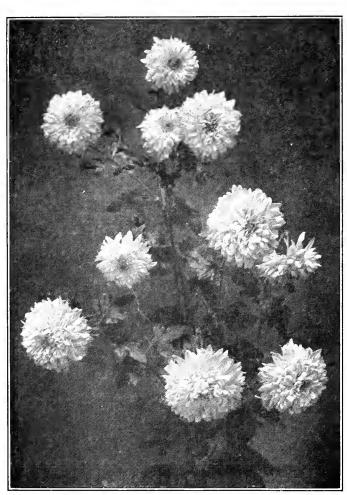
Bright bronzy-amber with deeper shadings. A dainty and exquisite variety. Quite large in size of individual flowers and gracefully arranged on the stem or spray. Foliage and growth very clean and strong. To anyone wishing a novel colored 'Mum that will give them plenty of cut flowers we strongly recommend Julia de Witt.

# Improved Novelty Pompons of 1919

Price: 30c. per plant, \$3.00 per doz. \$20.00 per 100.

### MRS. NELLIE KLERIS

This variety is an improved Lillian Doty, but the color is more evenly diffused over the flower. The blooms are equally as large as Lillian Doty, but better divided on the stems. A fine, sturdy, dwarf grower.



MRS. NELLIE KLERIS



MRS. HENRY F. VINCENT-(See page 37)

### **THELMA**

Bronzy red; unique in color among Pompons, being about the same shade as Billancourt, the early-flowering variety. The flowers are semi-circular in shape the individual flowers being well divided and the ensemble of the plant most pleasing.

### CAPTAIN COOK

Taller in growth than the average Pompon, running the same as Lillian Doty. First Pompon to open and the color is a lovely shade of rose-pink. Far ahead of anything else in its color at the time of blooming.

### CLARA JAMESON

Lovely combination of bronze and scarlet. One of the showiest varieties in our garden this past Fall; keeps blooming profusely even after heavy frost.



IMPROVED NOVELTY POMPONS OF 1919—Continued

### **RENA**

Rose-violet, somewhat the same shade as Baltimore, but altogether larger and better flowers; more perfect in shape and keep a long while in good condition after being cut. Splendid in its color.

### SIDNEY MITCHELL

A splendid addition to the already long list of fine yellow Pompons, coming into flower a week earlier than Golden Climax. Proved itself to be in our trial ground a variety well worth introducing.

# Two Excellent Late Anemone Chrysanthemums

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

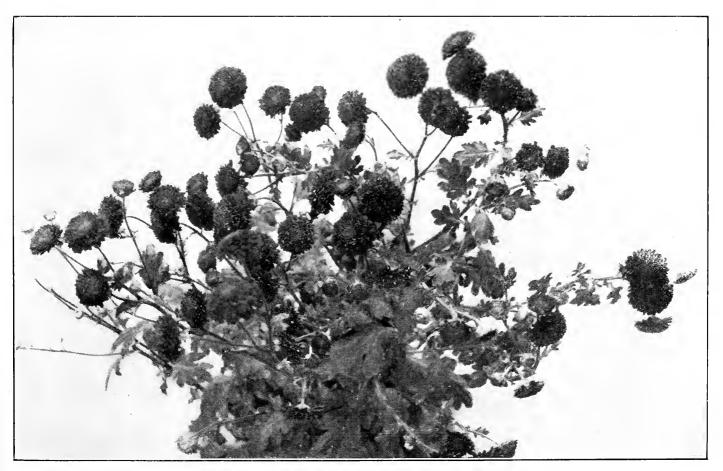
These two varieties proved exceptionally useful this year for cutting for Thanksgiving and we highly recommend them for this purpose.

### **EUGENE LANGAULET**

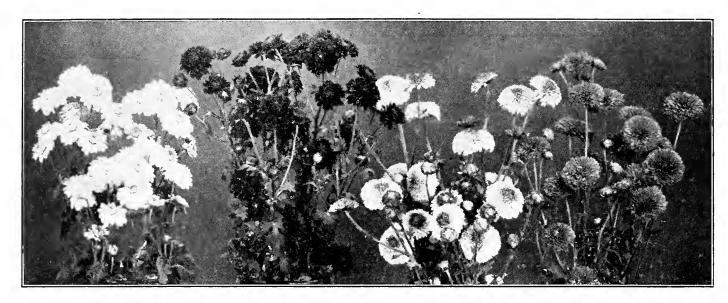
Deep golden-yellow. Most popular variety in its color in the cut flower market.

### **GOLDEN LIDA THOMAS**

Rather tall, deep golden yellow flowers; very valuable on account of its late blooming habit. Can be kept for Christmas, if desired.







# Hardy Pompon Chrysanthemums

"BUTTON TYPES"

### STANDARD VARIETIES

These are the smallest type of 'Mums known, the tiny "Baby" being possibly the best known of this type. Many of these kinds will bloom in fine condition until Thanksgiving.

Price: 15c. per plant, \$1.50 per doz., \$10.00 per 100.

### **ADIRONDA**

The best early golden bronze, maturing the second week in October.

### **BABY**

Everybody's favorite. The smallest yellow variety grown.

### **BALTIMORE**

Violet. Violet red; large single; quilled petals.

### **BABY MARGARET**

Said to be a pure white sport of Baby; a very beautiful thing.

#### **ELKTON**

Light pink; full, large flowers.

### JULIA LAGRAVERE

Crimson maroon; for cut flowers.

### **KLONDYKE**

Brilliant yellow compact blooms of medium size.

### **LELIA**

Splendid scarlet bronze in color; tall, handsome flower, quite large in size.

#### LITTLE GEM

A beautiful shade of clear lavender pink, with long sprays of flowers, growing about 2 feet in height.

#### **MARIANA**

Large, snow white flowers on long stems that are splendid for cut flower work.

### MRS. FRANK WILCOX (Mrs. Frank Beu)

Color, reddish-orange, splendid variety for Thanksgiving use.

### **MYERS' PERFECTION**

Fine, pure white; tall grower; well-known variety.

#### NIZA

Delicate pink in color; the earliest of this color to mature; dwarf, beautiful grower.

### QUEEN OF THE WHITES

Fine, creamy white; best in its color.

### ROSE TREVENNA

Rose colored Pompon; much deeper in color than the usual pink sorts.

### **SUSOUEHANNA**

Very fine yellow, flowers gracefully irregular in outline.

### URITH

Large flowers; broad florets; bronze, tipped yellow.

### WM. WESTLAKE

Golden yellow. An old variety that is still deservedly popular.

#### WACO

A very fine white variety with splendid stem and foliage; a well known sort.

### YELLOW GEM

Large, full flowers; pure yellow.

#### **ZENOBIA**

Pure yellow. Comes into flower first of all.



# Greenhouse Roses—Novelty Roses

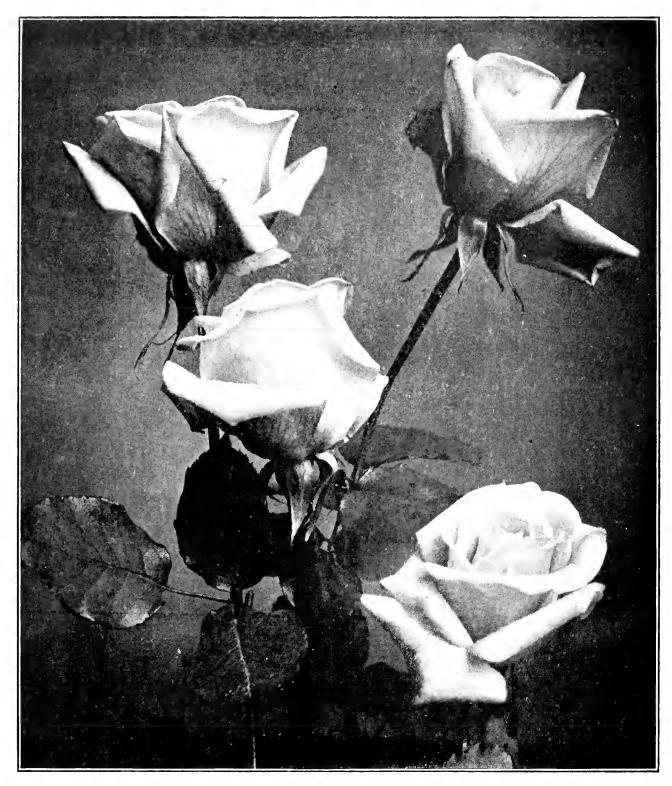


the strongest point of Dunlop, is its keeping and shipping qualities. In this respect it is unsurpassed, as flowers shipped from Canada to New York kept in splendid condition for nine days afterward. We endorse Dunlop fully in every respect and in our opinion it

is the best dark pink Rose on the market.



GREENHOUSE ROSES—Continued



# MADAM BUTTERFLY (HILL)

GRAFTED				OWN-ROOT		
Per plant		Per doz.	Per 100	Per plant	Per doz.	Per 100
$2\frac{1}{2}$ -in.	\$1.00	\$10.00	\$60.00	$2\frac{1}{2}$ -in. 75c.	\$7.50	\$45.00
3 -in.	1.20	12.00	75.00	3 -in. 85c.	8.00	50.00
4 -in.	1.30	13.00	80.00	4 ~in. 90c.	9 00	60.00

Described as a glorified Ophelia. It is altogether more vigorous in growth than its parent, Ophelia, as grown side by side in our establishment. Foliage and habit can be most quickly described as unsurpassed by any existing variety. The individual bud is larger and the color tints of Ophelia are greatly intensified, making it a harmony of bright pink, apricot and gold. It is so much superior to Ophelia in every way that we predict it will take the place of the latter variety.

# Standard Varieties of Roses for Forcing

### **GRAFTED**

 $2\frac{1}{2}$  in. 45c. per plant, \$4.50 per dozen, \$40.00 per 100 in. 55c. per plant, \$6.00 per dozen, \$50.00 per 100 in. 65c. per plant, \$7.00 per dozen, \$60.00 per 100

### OWN ROOT

 $2\frac{1}{2}$  in. 30c. per plant, \$3.00 per dozen, \$20.00 per 100 in. 40c. per plant, \$4.00 per dozen, \$25.00 per 100 in. 45c. per plant, \$4.50 per dozen, \$30.00 per 100

### COLUMBIA

This variety send up quickly numerous stiff stems which are of good length without pinching, and naturally throws long, stiff stems. It is a free grower with beautiful foliage, the leaves spaced just right to please a cut flower grower and to form a fine setting for the bloom. "A Rose without a thorn, almost!" Thornless for 10 to 12 inches below the flower, as well as very few thorns on the lower stem. Color true pink, about the shade of a perfect Shawyer, deepening as it opens to glowing pink; a peculiarity of the variety is that the shades all become more intense until the full maturity of the flower is reached.

### DOUBLE WHITE KILLARNEY

There are several strains of Double White, but this stock we secured from a sport of Double Pink Killarney, and it is the finest type we have seen. In some soil Double White

does not produce as many blooms as the Single White Killarney.

### **HADLEY**

Deep, velvety crimson, retaining its brilliancy at all seasons of the year; strong, rigid growth and flowers borne on long, stiff stems; has proved on trial to be a first-class forcing variety.

### MRS. AARON WARD

A general favorite; rather short in bud, but wonderfully free flowering. In the bud state color is a beautiful, rich yellow, which changes to shades of pink as the flower develops.

### MRS. CHAS. RUSSELL

Pink American Beauty, enormous in size, which lines into beautiful shape in flower, stem and foliage.



ROSE COLUMBIA



STANDARD VARIETIES—Continued

### MAD. COLLETTE MARTINETTE

Deep golden yellow; this variety resembles the deepest shades of Sunburst and does not bleach. Mad. Collette Martinette is well worthy of a place in the rapidly increasing family of yellow Rose lovers. Own root stock only.

### **OPHELIA**

Color clear, bright salmon, often deepening toward golden pink; wonderfully fragrant, with long pointed buds and stiff stems. Large, handsome foliage, showing that it is a wonderfully free bloomer and grower, and not prone to mildew. Growth free and continuous and does splendidly grafted on the Manetti.

### **PREMIER**

Rose Premier is a cross between Ophelia and Russell. It has the stiff, thornless stem and quick free growth of Ophelia, with ample foliage, approaching Ulrich Brunner or American Beauty in arrangement and size of leafage. The habit is perfect for a forcing Rose; the breaks come quickly and are of fine length, every one producing a flower, even the shorter stems giving fine quality of bloom. The flowers are of Russell type, and hold a clear, pure shade of rose-pink throughout the year, lighter in summer, deep rose-pink in cooler weather; a dozen blooms make an imposing bouquet. Its freedom of bloom and quick succession of crops make this a most productive forcing variety. Like Ophelia and Columbia, it is deliciously fragrant.



PREMIER

### **RADIANCE**

A splendid and popular Rose; deep pink in color. Will produce three-foot breaks without pinching; almost mildew-proof, and a wonderfully fine Rose to handle.

### RED RADIANCE

A duplicate of its parent in every respect save color, which is a brilliant red; very free-flowering in habit and vigorous in growth. A wonderful variety in every way and a welcome addition to the ranks of the forcing Roses.

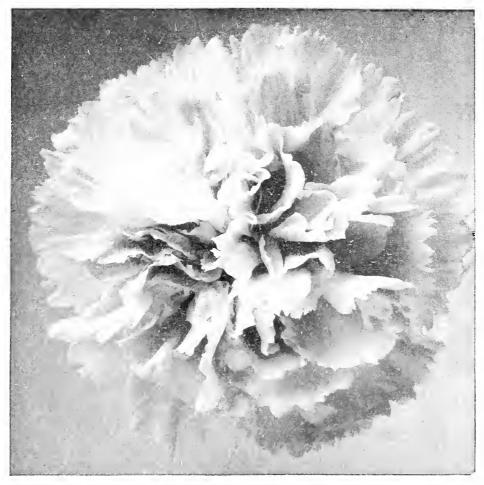
### **SUNBURST**

Finest yellow Rose; proved to be the "King" of its color. We can supply grafted stock of this variety, but would recommend that it be grown as own root stock.

### WHITE KIILLARNEY

Similar to Killarney in all respects save color. Most largely grown white in cultivation today.





CARNATION RUTH BAUR

# Carnation Novelties for 1920

Rooted Cuttings \$3.00 per doz., \$20.00 per 100.  $2\frac{1}{2}$ -in., \$4.00 per doz., \$25.00 per 100. Pot Plants

# ETHEL FISHER (Fisher)

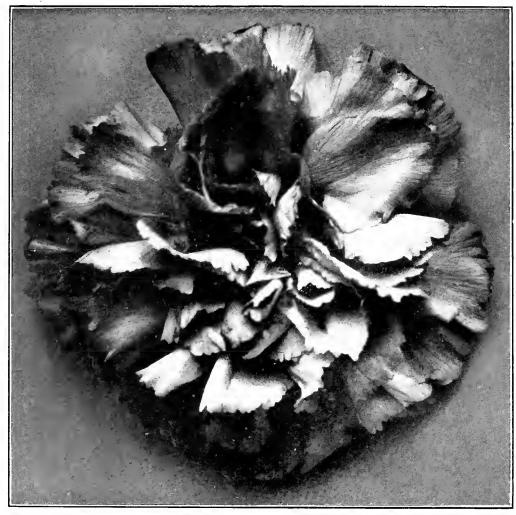
Color, bright glowing red, like Beacon at its best. The plant has a healthy, upright, open habit of growth, producing early and freely, on long, stiff, wiry stems, uniform flowers that average  $3\frac{1}{2}$  inches, supported by a strong calvx that seldom bursts. Blooms continuously all Winter and is specially fine for Christmas. Keeping and shipping qualities unexcelled.

# RUTH BAUR

A cross between Northport and Pink Delight. It has the strong growth of Northport, with the fine blooming and shipping qualities of Pink Delight. The color is similar to Gloriosa, but is clearer pink and holds the color better. The bloom is of large size and round in outline, full of petalage and built up well in the center. The stem always holds the bloom upright and the calyx never splits. Very free blooming variety.



#### CARNATION NOVELTIES—Continued



CARNATION LADDIE

# **LADDIE**

Rooted Cuttings \$3.00 per doz., \$20.00 per 100. Pot Plants  $2\frac{1}{2}$ -in., \$4.00 per doz., \$25.00 per 100.

This Carnation has established itself in the unique position of being worth more now than when it was introduced. The color is a warm rose-salmon pink; the flowers average 3½ inches in diameter, when it is at the proper stage for cutting and develops to 4½ inches in Winter. The keeping qualities are beyond question away ahead of any Carnation yet introduced. The calyx is all that can be desired. The plant is a splendid grower and the blooms in consideration of their wonderful size, very prolific. Laddie, has been awarded more medals and prizes than any other Carnation. The demand even at this time, is far ahead of the supply and we advise, although we have a large stock this year, to order early.

# Carnations—Standard Varieties

Rooted Cuttings 12c. per plant, \$1.25 per doz., \$8.00 per 100. Pot Plants 2½-in., 15c. per plant, \$1.50 per doz., \$12.00 per 100.

### PINK VARIETIES

ALICE. Medium-sized blooms; perfect in form. Color a beautiful shade of clear blush-pink. More productive than Enchantress, with the same freedom of growth, and habit of plant all that can be desired.

of growth, and habit of plant all that can be desired.

MRS. C. W. WARD. Deep pink, large, perfectly formed flower with full center. Very popular in all the wholesale markets.

cottage maid. A sport of Mrs. C. W. Ward, with the same habit of growth, high quality of flower, fine keeping and shipping qualities as its parent. In color it is light pink, verging on the flesh. It never fades, the color becoming slightly darker in Spring and Fall when the sun is hot. Very popular with the public.



#### CARNATIONS—STANDARD VARIETIES—Continued

PINK VARIETIES-Continued

**ENCHANTRESS SUPREME.** A splendid variety that is making good everywhere. Color is a light salmon pink several shades deeper than the original parent, Enchantress, and this variety persists in the bright sunlight without fading. It is better than Enchantress in every way. We cannot too strongly recommend this variety. Calyx is a non-splitter, and the plant is just as productive as the old Enchantress.

NANCY. Lovely light salmon; a shade deeper than Pink Delight. Practically a non-burster and as a producer stands among the highest of the commercial type.

PINK SENSATION. Flowers extremely large, measuring 4 inches in diameter; full and deep. Color, somewhat lighter than Gloriosa.

### WHITE VARIETIES

CRYSTAL WHITE. Winner of the A. C. S. Gold Medal and numerous other prizes. If you are a Carnation grower you will be interested in seeing Crystal White. The same vigorous constitution as Matchless with large, full flower of the purest glistening white, early and very productive. brought into full crop by November 1st.

MATCHLESS. Well named the Matchless White. Winner of two gold medals at the International Flower Show, New York, 1913. Blooms early and continuously; should line up as a great commercial variety. It seems to be easy to handle and very free. Flowers extra large, wonderfully fragrant.

WHITE BENORA. Similar to the parent, Benora, in all respects save color, which is glistening white. Very stiff stem, heavy flowers and quick-cropping proclivities.

WHITE ENCHANTRESS. Of the pure white strain. Splendid variety; satisfactory in all seasons.

WHITE WONDER. Begins to bloom in September and blooms throughout the season. Snow white and very fragrant. Exceptionally large in size.

### SCARLET VARIETIES

AVIATOR. One of the very finest and freest scarlets ever produced; at its best for the Xmas crop. As every flower is perfect, this is a very profitable sort to grow. Color, form and habit perfect.

**BEACON.** The standard red. One of the freest Carnations grown and in more demand than any other variety

BELLE WASHBURN. Brilliant scarlet, about 4 inches across, non-bursting calyx, free and continuous blooming variety. Very stiff stem.

NEBRASKA. Brilliant scarlet; very strong grower; stems long and perfectly stiff.

### VARIEGATED VARIETY

BENORA. Clear white, penciled bright red Narrow foliage; very free, vigorous variety.

#### CRIMSON VARIETIES

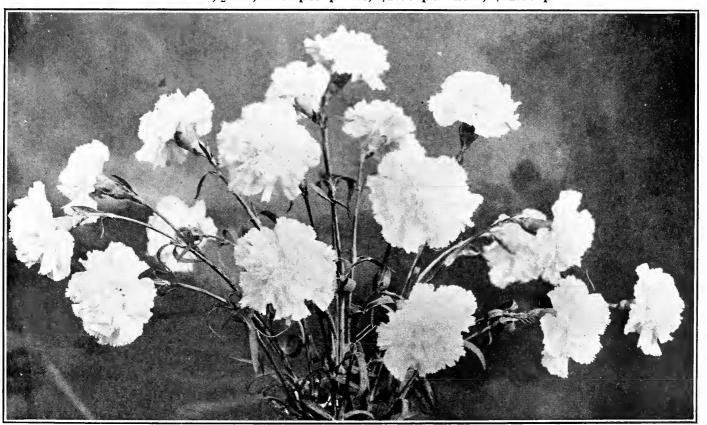
The commercial crimson. While not DORIS. so large as Princess Dagmar, it is wonderfully free and persistent in blooming; coming in early and flowering continuously throughout the entire season. If you need a crimson—try Doris.

POCAHONTAS. Most largely grown crimson today. Always a striking flower on the exhibition table. Very free-flowering.

### YELLOW VARIETY

YELLOW PRINCE. We are often asked for a yellow Carnation and submit Yellow Prince as being the only variety of its color worthy of consideration. This is a splendid, bright, clean yellow; foliage rich green; habit of plant vigorous. Free from disease.

ngs 12c. per plant, \$1.25 per doz., \$8.00 per 100.  $2\frac{1}{2}$ -in., 15c. per plant, \$1.50 per doz., \$12.00 per 100. Rooted Cuttings Pot Plants



CARNATION CRYSTAL WHITE



# Tender Bedding and Greenhouse Plants

### **Abutilon**

ECLIPSE. Mottled leaves and scarlet flowers. SAVITZII. Variegated white and green foliage.

### Alternanthera

AUREA NANA. Yellow, very compact in habit. CARROLL PARK BEDDER. Dwarf red variety.

JEWELL. Rich carmine, very strong type. VERSICOLOR. Crimson, chocolate and green foliage.

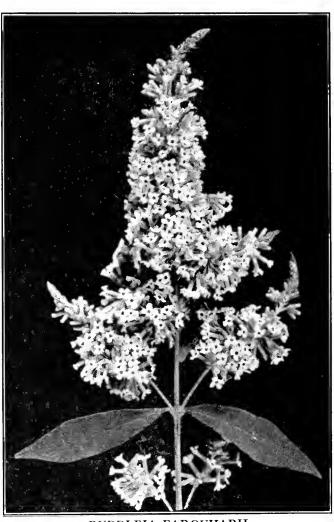
Price: \$1.00 per doz., \$6.00 per 100.

# Godfrey Calla

We offer the true form of the Godfrey Calla; smaller than the Ethiopia type, but wonderfully free and very useful as a pot plant. 25c. each, \$2.50 per doz., \$18.00 per 100.



**BUDDLEIA ASIATICA** 



BUDDLEIA FARQUHARII

# Buddleia

ASIATICA. This Buddleia differs from Variabilis and others of its type, in that it is not hardy and requires protection. It begins to bloom in December and continues to do so throughout the Winter season, if the plants are kept growing in a warm house; it produces long spikes of the most beautiful white flowers which have a delightful lilac fragrance. \$1.25 per doz., \$10.00 per 100.

FARQUHARII (Greenhouse Shrub). This new Winter-flowering Lilac was raised in the nurseries of R. and J. Farquhar & Co., Boston, and is the first authentic hybrid in the genus. The flowers are pale pink, delightfully fragrant and are borne in long cylindrical tail-like clusters. It is of easy culture, flowers during December and January and is valuable for conservatory and house decoration and as cut flower. 2½-inch pots, 50c. each, \$5.00 per doz., \$35.00 per 100.

# Ferns - For Fern Dishes

Assorted Ferns in all the best varieties: CYRTOMIUM FALCATUM, PTERIS MAYII, P. CRETICA, P. ALBOLINEATA, P. ADIANTOIDES, etc. 21/4-inch pot plants, \$1.50 per doz., \$10.00 per 100.





CANNA

# **CANNAS**

Cannas are among the must popular and magnificent of the Summer blooming plants and seem to do equally well in all sections of the country. Cannas are gross feeders; they need a generous amount of fertilizer and in dry weather should be watered freely. For best effects plants set out in large blocks, say 2 feet apart, allowing each plant room for individual development, will make a marvelous showing in any planting plan. Varieties are arranged in their colors so customers can make their own selection. Unless otherwise noted all varieties have green foliage.

WINTZER'S COLOSSAL. Without doubt the largest flowered variety to date; the average bloom being over 8 inches across, very striking brilliant scarlet that retains its brilliancy; should be in every collection; height 5 feet. 40c. per plant, \$4.00 per doz.

### PINK SHADES

MRS. A. F. CONARD. Grandest flesh-pink of the entire list already introduced; most striking and beautiful; height 4 feet. 25c. per plant, \$2.50 per doz.

CITY OF PORTLAND. Deep salmon-pink; very neat habit, particularly as a bedder when used with other plants; height 3½ feet. 25c. per plant, \$2.50 per doz.

BETSY ROSS. Beautiful rose-pink; valuable on account of its dwarf habit and very popular on account of its sentimental associations; height 3 feet. 15c. per plant, \$1.50 per doz.

HUNGARIA. Trusses of enormous size borne well above its bronze foliage; flowers very large with broad petals; color lovely delicate shade of pink; wonderfully free in bloom; height 3½ feet. 20c. per plant, \$2.00 per doz.

WABASH. Flower carmine-pink with very large bronze foliage; an exquisite color; height  $3\frac{1}{2}$  feet. 20c. per plant, \$2.00 per doz.

ZENITH. Orange-pink shading to salmon; tongues of the flower pure orange, rendering it entirely distinct from any other Canna. 15c. per plant, \$1.50 per doz.



CANNAS—Continued

#### YELLOW **SHADES**

YELLOW KING HUMBERT, OR QUEEN **HELEN.** This is a green-leaved beautiful yellow sport of the noble and ever-popular King Humbert, and will undoubtedly be in yellow what its parent is in red, since the color is the only variation from the original King Humbert. 50c. per plant, \$5.00 per doz. QUEEN OF HOLLAND. Rich orange-bronze

foliage with bright yellow flowers; height 4 feet.

25c. per plant, \$2.50 per doz.

GOLDEN GATE. Ground color is golden-yellow with crimson rays radiating from center; height 4 fcet. 25c. per plant, \$2.50 per doz.

WYOMING. One of the tallest varieties, running in specially good soil as high as 7 feet; most majestic in growth and bears great blooms of flowers, deep yellow shading to orange; with purplish-bronze foliage. 20c. per plant, \$2.00 per doz.

### RED SHADES

DRAGON. A recent novelty; distinct blood-red, very effective when planted en masse. Height

4 feet. 30c. per plant, \$3.00 per doz. EXPRESS. Good, dwarf scarlet-crimson; firstclass for bedding effects; height, 2½ feet. 15c. per

plant, \$1.50 per doz.

BEACON. Moderate sized flowers of rich cardinal red, very impressive variety; height 4 feet. 25c. per plant, \$2.50 per doz. FIREBIRD. Sometimes known as "Peerless";

flowers most intense scarlet-cardinal running well over 6 inches across, with petals standing flat showing the flower to the finest possible advantage; one of the very finest Cannas ever introduced in this

color. Height 4 feet. 30c. per plant, \$3.00 per doz.

KING HUMBERT. Beautiful bronze foliage
and flowers enormous in size; brilliant orange scarlet, streaked occasionally with crimson, one of the most largely grown of all; height 4 feet. 15c.

per plant, \$1.50 per doz.

NEW YORK. Very brilliant scarlet; foliage rich plum color; one of the most distinct and decorative in the Giant-flowered section. Height

5 fcet. 15c. per plant, \$1.50 per doz.

#### CARMINE **SHADES**

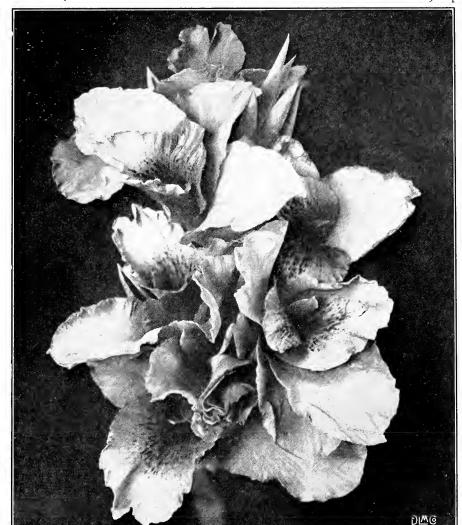
LOVELINESS. Brilliant carmine, blooms on the Gladioflora type; height 3 feet. 25c. per plant, \$2.50 per doz.

MRS. WOODROW WILSON. Lovely light carmine; resembles Mrs. Conard somewhat but is

deeper in color; height 4 feet. 50c. per plant, \$5.00 per doz.

MRS. G. STROHLEIN. Carmine, shading to amaranth; large brilliant bronzy foliage; height 6 feet. 25c. per plant, \$2.50 per doz.

> OLYMPIC. Rich oriental red, center shading to lighter red; individual blooms are very large, making enormous shades of flower; height 5 feet. 25c. per plant, \$2.50 per doz.



CANNA, KING HUMBERT

### FANCY SHADES

PANAMA. This is a very effective variety; color rich, orange-red well defined with bright golden-yellow rim around the edge of the petals; height 3 feet. 25c. per plant, \$2.50 per doz.

SAM TRELEASE. Intense showy red with Buttercup yellow around the edge of each petal; height 3½ feet. 25c. per plant, \$2.50 per doz.

GLADIOFLORA. Crimson shading to carmine rose and gold; exceptional bloomer; height 31/2 feet. 25c. per plant, \$2.50 per doz.

GLADIATOR. Large flowers of light yellow speckled with red in center and lower petals of dark red, giving this variety a striking appearance by its contrast; height 4 feet. 20c. per plant, \$2.00 per doz.

JENNIE W. FAHNLINE. Pink and primrose; tips of petals brilliant carmine pink, edged gold; height 4½ feet. 15c. per plant, \$1.50 per doz.



TENDER BEDDING AND GREENHOUSE PLANTS-Continued



STANDARD HELIOTROPE

# Gardenia

### The True Winter-Flowering Type

We can supply this plant in any quantity. Spring delivery, 2½-inch plants, \$15.00 per 100; 3-inch plants, \$25.00 per 100; 4-inch plants, \$35.00 per 100.

Heliotrope ELIZABETH DENNISON. We have no hesitation in saying this variety is the finest Heliotrope ever seen. For years we have considered Centefleur as being the best variety. In Elizabeth Dennison, while the flower is about the same color as Centefleur, the individual trusses are considerably larger; in fact, much larger than any Heliotrope, and in addition, this variety is wonderfully fragrant; this latter is one of its strongest points. This Heliotrope attracted considerable attention at the Panama-Pacific Exposition. Some firms are distributing a Heliotrope under the name of Dennison, which has no connection with the variety we introduced and for which we were awarded the Medal of Honor, at the Panama-Pacific Exposition. 25c. per plant, \$2.50 per doz., \$18.00 per 100.

CENTEFLEUR. One of the finest Heliotropes ever raised; dwarf and bushy in habit, with beautiful foliage; sprays of bloom very large; color a lovely deep blue, with a conspicuous white eye. 15c. per plant, \$1.50 per doz., \$10.00 per 100.

# Standard Heliotrope

(Tree Type)

These plants are most desirable for conservatory decoration or for use in the center of flower beds. Stock in 8-inch pots, flowering  $2\frac{1}{2}$  to 3 feet in height, producing large heads of bloom. These Standards were for years a feature of the bedding at Hampton Court, where they were seen and admired by thousands of Americans in the past. \$3.00 per plant.

# Salvia America

Differs from other types as it is a perpetual bloomer; it can be brought in to flower for Christmas, Easter or any other desired time. It is just as free blooming as any other variety and the color is a brilliant glowing scarlet, with very bright, green foliage, making a gorgeous contrast. The constitution is particularly rugged and healthy. As an out-door bedding plant, it will be in great demand as it is such an attractive addition to every garden. 15c. per plant, \$1.50 per doz., \$10.00 per 100.

# Lemon Verbena

ALOYSIA CITRIODORA. 2-inch, \$5.00 per 100; 3-inch, \$10.00 per 100.



# **DAHLIAS**

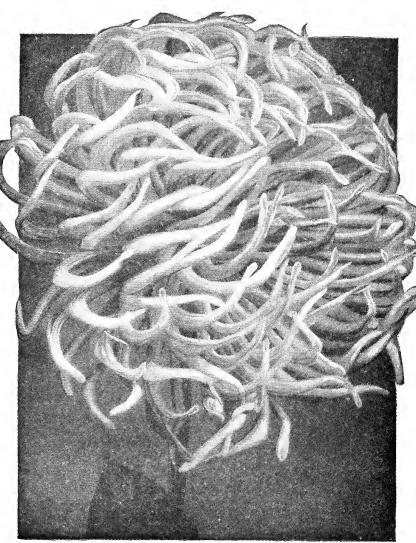
The list of Dahlias offered today is bewildering in size, varieties and loveliness. The best we can do is select the kinds that give the most general satisfaction and which we consider give us about all the colors that are necessary in the cultivation of this wonderful flower. Dahlias, naturally do better along the seashore, on account of the large amount of moisture usually present in that location. The time of planting in our section we have found is best in July. by waiting until the season is quite well advanced, we have found the plants seem to come away and bloom more freely.

If the plants are set out in good rich soil and cultivated once a week and staked so that each plant is allowed a space of from 2 to 4 feet to grow in, little more care is necessary for their successful culture.

This collection of Phenomenal New Incurved and tightly-quilled English Cactus Dahlias we will ship prepaid to any part of the United States for \$10.00.

### **CLINCHER**

As the name denotes, giving a clinching appearance, the florets or petals being gracefully and effectively incurved and so perfect as to almost meet in the center. Flowers of gigantic size, produced with great ease on pendent stems. The color of this variety is most pleasing, a beautiful shade of heliotrope, blending to white at the center. 75c. each.



CLINCHER

### F. W. FELLOWS

The originators of this variety claim it to be one of their greatest successes. The flowers are not only large, but of great depth, as well. The petals are narrow and very numerous, allowing the flowers to remain full until long after their prime. The growth and habit is all that could be desired. The color is bright orange-scarlet. \$1.00 each.

# **GOLDEN EAGLE**

Blossoms orange-yellow, suffused rose and fawn. Produced on long, stiff stems, well above the foliage. Moderately incurved. 75c. each.

# H. H. THOMAS

Few varieties combine so many good qualities. The flowers are of beautiful formation, having long incurving florets or petals. The habit of the plant is excellent; a free-flowering variety, possessing long, straight stems and producing its flowers well above the foliage. The color is a rich deep crimson. 75c. each.



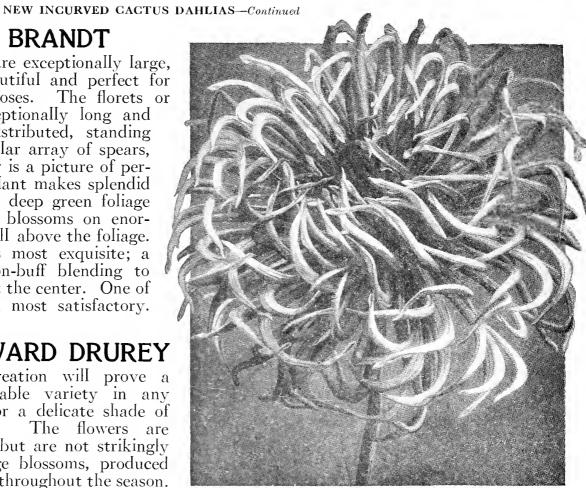
# MRS. BRANDT

**Ö** 

The flowers are exceptionally large, charmingly beautiful and perfect for exhibition purposes. The florets or petals are exceptionally long and very evenly distributed, standing out like a circular array of spears, while the center is a picture of perfection. The plant makes splendid specimens, with deep green foliage and carry their blossoms on enormous stems well above the foliage. The coloring is most exquisite; a beautiful salmon-buff blending to golden yellow at the center. One of the largest and most satisfactory. \$1.50 each.

# MRS. EDWARD DRUREY

This new creation will prove a thoroughly reliable variety in any situation. Color a delicate shade of purple-crimson. The flowers are formed evenly, but are not strikingly incurved. Large blossoms, produced freely and good throughout the season. \$2.00 each.



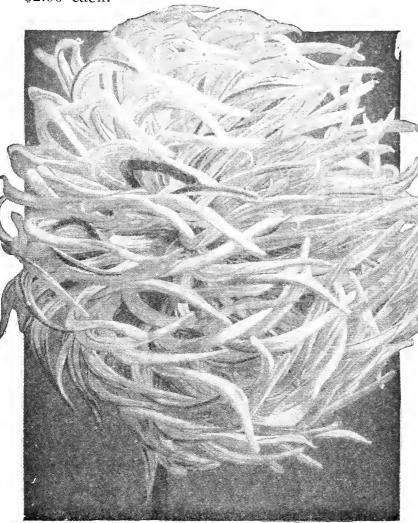
MRS. HENRY RANDLE

# MRS. HENRY RANDLE

We can rightly term this a model Dahlia. The coloring is one of the sweetest imaginable, being pale cream at center, quickly changing to a lovely rose tint, distinctly tipped creamy white. The florets are tightly quilled and very gracefully incurved. The plant is exceptionally healthy, having an upright and pleasing style of growth. \$1.00 each.

# SCORPION

One of the most sensational of the incurved Cactus Dahlias. A flower of absolutely unique formation, the florets being very narrow and so gracefully and effectively incurved, twisted and interlaced as to almost meet in the center. At first sight, one would think it a Chrysanthemum. The blossoms are of medium size and of a beautiful clear yellow color. This variety is a great favorite with specialists abroad, especially appealing to the lovers of irregularly formed Cactus Dahlias. 50c. each.



SCORPION



# RICHARD BOX

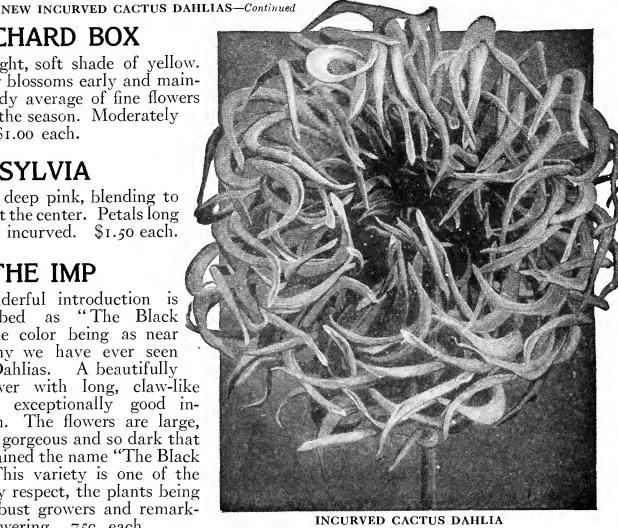
A clear, light, soft shade of yellow. This variety blossoms early and maintains a steady average of fine flowers throughout the season. Moderately incurved. \$1.00 each.

## **SYLVIA**

Beautiful deep pink, blending to pale lemon at the center. Petals long and slightly incurved. \$1.50 each.

# THE IMP

This wonderful introduction is best described as "The Black Dahlia," the color being as near black as any we have ever seen in Cactus Dahlias. A beautifully formed flower with long, claw-like petals and exceptionally good in-curved form. The flowers are large, wonderfully gorgeous and so dark that they have gained the name "The Black Dahlia." This variety is one of the best in every respect, the plants being splendid, robust growers and remarkably free-flowering. 75c. each.



Good Example of the Incurved Cactus Type

# Gigantic Hybrid Cactus Dahlias

The Hybrid Cactus Dahlias are the giants of the Cactus type, much larger than any of the other Cactus. They are the latest creation in Dahlias and possess good habit and great ability to blossom. They are importations from all parts of the world and combined make a collection unsurpassed for either garden decoration, cut flowers, or exhibition purposes.

We will ship this wonderful collection of Hybrid Cactus Giants prepaid to any part of the United States for \$7.00

# **ATTRACTION**

A large, elegant flower of a clear lilac-rose. The habit is perfect, with long, strong stems holding the blossoms stiff and upright. The long, stiff stems of the Hybrid Cactus Dahlias make them far superior to all other Cactus Dahlias. \$1.00 each.

# **BIANCA**

A new free-flowering Dahlia of large size and splendid form. The coloring is a beautiful rose-lilac with white shadings. The blossoms are held perfectly erect on long, stiff, wiry stems, well above the foliage. \$1.00 each.

# **GEORGE WALTERS**

This variety is the most wonderful Dahlia ever offered and truly the finest of the Hybrid Cactus type. It has the long, broad quilled petals typical of all this type and the most exquisite coloring imaginable, a bright salmon-pink, artistically suffused with old The flowers are produced on long, stiff, wiry stems, well above the foliage. won the gold medal for the largest and best specimen Dahlia at the Panama-Pacific Exposition, where it was first exhibited. We have just been able to secure a stock and feel we have sufficient to meet all demands, but would recommend that orders be placed early. \$2.00 each.



GIANT HYBRID CACTUS DAHLIAS-Continued

# **KALIF**

A truly majestic flower, frequently measuring over 9 in. in diameter. The flower is of perfect Hybrid Cactus form and in color a beautiful pure glowing scarlet. The habit of the plant is all that can be desired, growing with us about 5 ft. in height. The gigantic flowers, which are produced freely, are held erect on strong stems of wiry stiffness, making it a most effective and useful variety for cutting, as well as for garden "Kalif" has the distinction of decoration. being the first Dahlia to receive the National German Dahlia Society's highest award and although originating in Germany, is worthy of a place in every garden. \$1.00 each.

### MRS. C. H. BRECK

One of the most fascinating and attractive of this collection. A variety of exceptional merit, with long, stiff stems and a perfectly shaped plant. It is one mass of blossoms throughout the entire season. The blending of colors is superb; a beautiful creamy yellow passing to various shades of rose pink. 75c. each.

# MRS. FERDINAND JEFFRIES

Another giant, the nearest to black in this collection and a Dahlia destined to hold a prominent place in gardens of the future. Flowers are from 6 to 9 inches in diameter



KALIF



GEORGE WALTERS

and produced with perfect freedom on plants of good habit. A very deep rich wine-crimson. \$1.00 each.

# MRS. WARNAAR

A "Garden Cactus" of superior quality, heralded from Holland and recommended as one of the finest cut flower varieties in This most fascinating variety existence. appeals to every flower lover as a true sensation. The coloring is exquisite, being a delightful creamy white, overlaid and blending to a charming shade of delicate pink. The flowers are produced on long, stiff stems, well above the foliage and the habit of the plant is all that could be desired; it being tall and upright. Blossoms are of gigantic size, and great merit. "Mrs. Warnaar" when first exhibited in Holland, received an Award of Merit at Haarlem given by the Dutch Bulb Growers' Society and an Award of Merit at Amsterdam given by the Netherland Society of Horticulture. \$1.00 each.

# YELLOW KING

Another giant Hybrid Cactus Dahlia that is splendid for cutting. A very beautiful pure yellow, passing to a lighter shade at the tips. The stems are very long, stiff and upstanding, the plant is a vigorous grower and an early and prolific bloomer. each. A splendid introduction.



# New Giant Decorative Dahlias

The Decorative Dahlia is the pride of all Dahlias, standing out pre-eminently. In the garden the plants are strong, sturdy, vigorous growers, with heavy, dark green foliage, and a remarkable constitution. The blossoms are produced in great profusion, which is exceptional for a type of Giant-flowering Dahlias. For cut flower purposes they are unsurpassed, having long, straight stems of wiry stiffness and producing their flowers in a pleasing upright manner; then principally their lasting qualities when cut—they are unequalled, lasting longer than any of the other types. As an exhibition flower the Decorative Dahlia is the most gigantic of all Dahlias, blossoms having beauty, substance, quality—all essential characteristics of a true "Model of Perfection." As a decorative flower they are first in every respect; being graceful, adapted to designs, and most artistic.

The blossoms of the Decorative Dahlias are large, flat, but beautiful in shape and full to the center; the petals are somewhat irregularly situated, long, broad, flat and nearly straight.

This collection of Ten Gigantic Decorative Dahlias shipped prepaid to any part of the United States for \$10.00. We recommend this collection as exceptionally good

### CALIFORNIA

This new creation was imported from Holland last season and in our fields this year proved all one could desire of a Dahlia; its flowers were of large size and produced with exceptional freedom on straight, stiff stems, well above the foliage. In color, it is a live shade of pale Iemon yellow.

# DARLENE

\$2.00 each.

An exquisite shade of live shell-pink with a dainty blending of white at the center. The plants make ideal specimens, averaging about 3 feet in height; a single plant making a very effective showing. For massing or hedging "Darlene" is ideal. The foliage is a heavy deep green, a perfect contrast with the pinkand-white blossoms. This variety is one of the most satisfactory garden varieties we are offering, the plants being literally covered with blossoms from early July until frost. The uniformity and perfection of the flowers shows unusual KING OF THE qualities. \$1.00 each.

# FRANK A. WALKER

A charming shade of lavender-pink. For house decoration, gardens or cut flower purposes this variety is exceptionally good, having long stems and producing flowers in great abundance. This splendid Dahlia should be in every garden. 75c. each.

# KING OF THE AUTUMN

This is one of the finest Decorative Dahlias which has ever been introduced. The habit is absolutely perfect, with strong, sturdy plants. It has long, stiff stems and is remarkably free-flowering. As this variety has all the good qualities of a Dahlia and is one of the most desirable sorts, it therefore bears our very highest recommendation. The coloring is new and unique; buff yellow suffused terra cotta; the first impression being a golden orange. \$1.00 each.

AUTUMN



GIANT DECORATIVE DAHLIAS -Continued

### HORTULANUS FIET

The coloring of this variety is exceedingly wonderful—a beautiful shade of salmon exquisitely blending to yellow at the center. Flowers are of gigantic size and produced on long, stiff stems well above the foliage. 75c. each.

# HORTULANUS WITTE

A perfect wonder. Its remarkable qualities being excellent type, perfect form and purity of color. The flowers are borne in a miraculous profusion upon long, stiff stems, well above the foliage. The color is a waxy, almost glistening pure white; a beauty in every sense of the word. 75c. each.

## **NOIR ALVAREZ**

One of the largest and finest Dahlias in existence. By far the largest dark Dahlia and one destined by merit to secure a place in every garden. In color, a deep velvety ox-blood red. Blossoms are produced remarkably freely upon exceptionally good stems well above the foliage. The plants make a sturdy vigorous growth. "Noir Alvarez" is worthy of a place in the most exclusive garden. \$2.00 each.



ROSE GEM



TENOR ALVAREZ

## LEO XIII.

This is the largest yellow Decorative Dahlia to my knowledge; being one of the most prominent for exhibition purposes. The flowers are of that rich deep golden vellow that pleases everyone. \$1.00 each.

# ROSE GEM

Another new variety imported this last season from Holland and one that proves to be the finest of its color to date. The habit of the plant is perfect, it being a good strong growing variety, producing its blossoms upon strong, stiff stems well above the foliage. The coloring is very beautiful, something entirely new, with a silvery sheen; a pleasing shade of salmon-pink. We think "Rose Gem" properly named, as it surely is a gem among Dahlias. \$2.00 each.

# TENOR ALVAREZ

This new variety is a giant among giants; truly, one of the finest Dahlias to our knowledge. The flowers are produced upon long, wiry stems well above the foliage which is remarkable for a flower so large. The color combination is very pleasing and attractive but difficult to describe—violet-red, very heavily striped and splashed lilac and white. \$1.00 each.



DAHLIA COUNTESS OF LONSDALE

# Selected Named Dahlias

Prices: 25c. each, \$2.50 per doz., except where noted

# **AMERICAN BEAUTY**

The color of this new acquisition is a gorgeous wine crimson. The blossoms are of collosal size, petals being beautifully cupped and quilled. 35c. each.

# **ACHIEVEMENT**

The flowers of this phenomenal creation are very novel, the large petals being of a clear, rich, velvety maroon with a smaller ring of petals arranged around the yellow center of pure white. 36c. each.

# **CAECELIA**

A magnificent flower of great individuality; one that will give perfect satisfaction. A wonderfully large creamy white flower. 50c. each.

# COUNTESS OF LONSDALE

Chrysanthemum-like flowers of a beautiful deep salmon-red shade. This variety is the most free-flowering of the Cactus type and is unquestionably the most popular Dahlia in existence.

### **\***

SELECTED NAMED DAHLIAS—Continued

## **GLORY OF BAARN**

The prominent feature of this Dahlia is its fragrance, which is so different and pleasing that one cannot believe it a Dahlia. Instead of the ordinary Dahlia odor, it has a very pleasing and agreeable fragrance. The coloring is exquisite, being a delightful clear soft pink; a most pleasing flower, whose light rosy tint forms a perfect contrast with the deep green foliage. The flowers are semidouble and of large size; the beautiful golden yellow center lending an additional charm to this acquisition.

### JEANNE CHARMET

A perfect Dahlia with broad, flat petals and a full center. The flowers measure from 7 to 10 inches in diameter and are borne on stiff, wiry stems, frequently 18 to 24 inches long. The color is a most exquisite shade of lilac-pink, daintily shading to pure white toward the center, with a tinge of light yellow at the margins.



MME. VAN DEN DAELE



LE GRAND MANITOU—DECORATIVE DAHLIA

# J. H. JACKSON

Gigantic Chrysanthemum-like flowers of gorgeous velvety blackish-maroon. The finest black Cactus Dahlia.

# LE GRAND MANITOU

The color of this superb variety is white, artistically striped, splashed and blotched deep violet purple. The plants occasionally bear a solid purple colored flower. Flowers of gigantic size.

# MME. VAN DEN DAELE

Flowers large, of extra fine form, and produced upon exceptionally good stems well above the foliage. As a cut flower variety it is unsurpassed. White, deeply edged a silvery-pink; a blending of colors rare among Dahlias.

# MINA BURGLE

This is one of the finest broad flatpetaled Dahlias in existence, always giving satisfaction and producing blossoms of gigantic size with perfect centers. In color, a glowing and most brilliant rich crimson-scarlet.



#### SELECTED NAMED DAHLIAS—Continued

### **MINOS**

The blossoms are produced on stems from 15 to 25 inches in length, well above the foliage. The color is an intense velvety maroon, almost black. An ideal Dahlia in every way.

### PRIDE

Miniature crimson-scarlet flowers. model of perfection in shape.

## PRIMROSE DAME

Spherical, exquisitely quilled flowers of a lovely primrose-yellow shade. Free-flowering.

**OUEEN WILHELMINA** 

# QUEEN WILHELMINA

An immense fluffy flower, of pure glistening waxy white, showing its beautiful golden yellow center very prominently. One of the finest of the Peony-flowered Dahlias.

# SOUVENIR DE GUSTAVE DOAZON

The largest Dahlia in existence, often measuring 9 inches in diameter and can be forced to measure over 12 inches. The plant is very tall, vigorous grower, with a heavy dark green foliage and a remarkable consti-

tution. In color, a pleasing shade of orange-red. This Dahlia should be in every garden.

## STORM KING

The most reliable pure white quilled Dahlia to date. Spherical flowers produced on good stems well above the foliage.

# **STRADELLA**

Beautiful flowers of a deep purple-crimson; produced exceptionally free. Petals quill way back to the stem, making a perfectly spherical flower.

# W. B. CHILDS

A large, deep purple Hybrid Cactus Dahlia that we can highly recommend.

# MIXED DAHLIAS

An assortment, including all colors and all types known, many very beautiful and new varieties that have become mixed through carelessness are among this mixture. 15c. per plant, \$1.50 per doz., prepaid. \$1.00 per doz. at, purchaser's expense, by express.



MIGNON DAHLIAS

# MIGNON DAHLIAS

### **Dwarf Bedders**

These are all single varieties and are produced in distinct colors. The whole of the plants are only about 18 inches in height, and they need to be seen to be appreciated for their extreme value as bedders, or for edgings to beds, borders, or shrubberies. The plants are of a compact close habit, and they produce a dense mass of flowers of the most brilliant colors.

Price Plants in Spring: 30c. per plant, \$3.00 per doz., \$20.00 per 100

### **AGNES**

Purple, very distinct.

### ALBION

Pure white, very fine.

### DAFFODIL

Splendid rich yellow.

### **DAPHNE**

Deep maroon of good habit.

### DAZZLER

Bright orange-scarlet.

### ETNA

Crimson scarlet, magnificent variety.

### **JUBILEE**

Bright pink, very bushy and pretty.

### **NIVEUS**

Pure white, bushy habit.

### **OLIVE**

Brilliant orange, bushy and free.

### VIVID

Scarlet crimson, exceptional variety.

One each of the above varieties for \$2.50





# **GLADIOLI**

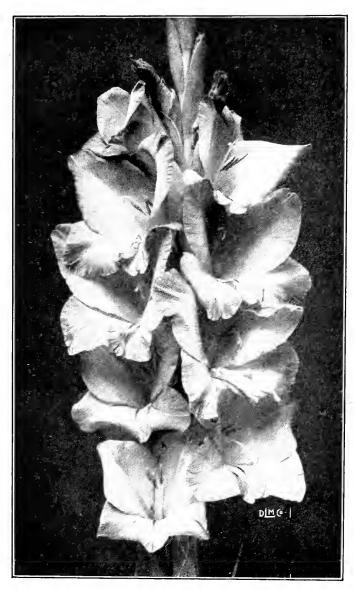
Few plants are more popular or more generally satisfactory than the Gladioli. The number of varieties today is legion and it is impossible to catalogue every one, but the varieties submitted are very choice in their selected colors. We are sure they will give satisfaction to our customers. They can be planted any time during April or May in any good garden soil, 4 inches apart, in full sun if possible and good success is assured.

AMERICA. Too much cannot be said of this beautiful, dainty pink. The flowers are of immense size and of waxlike texture, borne on a very strong spike. 75c. per doz., \$5.00 per 100.

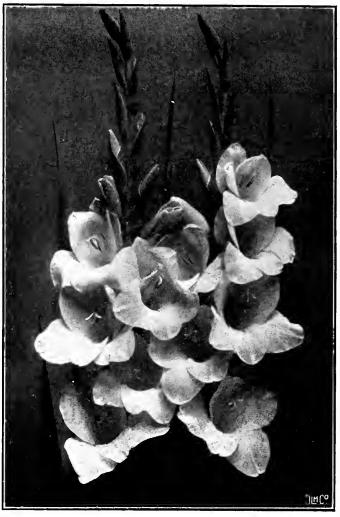
AMETHYST. A remarkably strong, open flower of a deep amethyst color, slightly suffused rose. Beautiful for bedding, as it holds its bloom well, with nearly all flowers open at one time. 50c. each, \$5.00 per doz.

BADENIA. No words can paint the beauty of this flower. A true lavender in color, not too blue; its flowers are large, well expanded, and many open upon the stem at one time. \$1.00 each, \$10.00 per

**BARON JOSEF HULOT.** One of the finest blue Gladioli. A deep violet blue with well-opened flowers. 50c. per doz., \$3.00 per 100, \$25.00 per



DAWN



AMERICA

**BLUE JAY.** A light grayish blue with darker blue markings and having a red stripe on tongue on the lower petals—a distinctive variety. \$5.00 per doz., \$40.00 per 100.

CRIMSON GLOW (Betscher). By far the most beautiful red Gladiolus yet on the market. A perfect scarlet of a deep tone. Very large open flowers of the finest form and exceedingly well placed upon the spike. \$1.00 each, \$10.00 per doz.

**DAWN** (Tracy's). The most beautiful coral pink Gladiolus ever offered. A long graceful spike of magnificently formed flowers, all open at one time. The keeping qualities of this variety surpass anything grown at Cedar Acres, while its color and texture make it indispensable as a cut flower and for bedding. \$2.00 per doz., \$15.00 per 100.

DAYBREAK. A charming light pink, with blazed white throat. Magnificent orchid-like variety; dwarf habit. \$3.00 per doz., \$25.00 per 100.

DELICE. A choice, early variety. Clear dainty pink, self-colored. \$1.00 per doz., \$7.50 per 100.



GLADIOLI—Continued



KUNDERDI GLORY

GLORY OF HOLLAND. A new white with slight tinting of pale pink and anthers of delicate lavender. Blossoms large and gracefully set on a tall spike. One of the finest whites. \$1.00 per doz., \$8.00 per 100.

GLORY OF NOORDWIJK. A new yellow, beautiful soft canary shade with flowers large and of graceful form. Several open at one time, producing a magnificent effect. \$2.00 each, \$20.00 per doz.

GOLDEN KING. A brilliant golden yellow, with intense crimson blotch in throat, giving a magnificent effect. Flowers well opened and well set on a very graceful spike. One of the best of the yellow-throated varieties. \$1.00 per doz., \$7.50 per 100.

GOLDEN WEST. A beautiful combination of bronze and scarlet. Not as vigorous a grower as some varieties, but exquisite in its shade. 25c. each, \$2.50 per doz.

HALLEY. A most attractive early-blooming sort, with large well-opened flowers of delicate salmon pink. Flowers well placed on long, graceful spike. Similar in type to the popular Mrs. Francis King. 50c. per doz., \$3.00 per 100.

HORTENSE. The finest purple Gladioli on the market. A rich Fuchsia-mauve in color; large open flowers of great substance. 50c. each, \$5.00 per doz.

JACINTHE. One of the most valuable of the orchid-shaded Gladioli. A clear Iris lavender with a carmine purple throat, beautiful in combination with Primulinus Hybrids. \$5.00 per doz., \$40.00 per 100.

KUNDERDI GLORY. Cream pink with crimson stripe in center of each petal. Flowers slightly ruffled. Valuable for hybridizing, but coler too muddy to be an attractive cut flower. 75c. per doz. \$6.00 per 100.

LIEBESFEUER. Brilliant scarlet and one of the largest in this color that has ever been grown.

25c. each, \$2.50 per doz.

LILY LEHMAN. No white Gladiolus equals this variety. A lily in both name and form, of a pure glistening white, with just a tinting of pink on tips of petals. Matchless in form and coloring. \$1.00 per doz., \$7.50 per 100.

LOVELINESS. This variety produces flowers of

distinction in daintiness and beauty as the name implies. Color, a clear cream-tinted solferino pink, very soft and delicate. The flowers are large and well placed on the spike, nearly all being open at one

time. \$3.00 per doz., \$25.00 per 100.

MADAM BUTTERFLY. A beautiful yellow flecked with rose and having black markings. Grows

to immense height. \$1.00 each, \$10.00 per doz. MARY FENNELL. One of the patricians of the garden. Beautiful light lavender flowers on a tall slender spike, lower petals penciled with primrose yellow. \$2.00 per doz., \$15.00 per 100.

MONGOLIAN. A rich, warm cadmium yellow, almost a self-color. Fine open flowers well placed on a sturdy spike. \$7.50 per doz.

MRS. A. C. BEAL. Clear buff yellow, with

MRS. A. C. BEAL. Clear buff yellow, with distinct tongue of scarlet on lower petals. Very long, graceful spike with many blooms open at one

time. \$3.00 per doz., \$22.50 per 100.

MRS. DR. NORTON. A pure, soft white with tips of petals suffused LaFrance pink. Quite the most beautiful variety of this type on the market. Highest awards in its class wherever shown. \$8.00 per doz., \$75.00 per 100.

MRS. FRANCIS KING (The Original). A most beautiful "Besnard shade" flame-pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 open at one time. A magnificent variety. 50c. per doz., \$3.00 per 100.

MRS. FRANK PENDLETON. A spectacular variety, producing large well-expanded flowers, light pink, heavily blotched with blood red in throat. \$1.00 per doz., \$7.50 per 100.



LILY LEHMAN



#### GLADIOLI-Continued

MYSTERY. A superb dark reddish purple, very graceful spike and a great favorite. Wonderfully effective in large vases. 50c. each, \$5.00 per doz.

NIAGARA. A light Crocus yellow, throat shaded deeper. Large open flowers on a strong spike. For color, texture and keeping qualities this Gladiolus is one of the very best. \$1.00 per doz., \$7.50 per 100.

**PEACE.** Immense pure white flowers with a touch of carmine on the lower petal. One of the strongest, but at the same time, most refined Gladiolus. 25c. each, \$2.50 per doz.

PANAMA. The companion to America, which has become very popular. A perfect Hermosa pink in color with large, wide open, waxlike flowers. 75c. per doz., \$5.00 per 100.

PINK PERFECTION. In color a true LaFrance pink. Its soft coloring and magnificent bloom make it one of the choicest of the newer varieties. Large open flowers on a strong spike. \$2.00 per doz., \$15.00 per 100.

PRINCE OF INDIA. A dull old rose, suffused and streaked with purple, with wide open flowers, many open at one time. A unique and attractive variety, well worth trying. 50c. each, \$5.00 per doz. PRINCE OF WALES. A clear grenadine pink

PRINCE OF WALES. A clear grenadine pink or deep buff, with throat markings of a deeper tone. The tips of petals shaded darker or apricot buff. A novelty of great value, eight or ten blooms open at one time on a long graceful spike. \$2.00 each, \$20.00 per doz.

PRINCEPS (known as the thousand dollar Gladiolus). Amaryllis-like flowers of a rich dark scarlet, marked with white on the lower petals. Foliage of a beautiful dark green and very attractive. 50c. per doz., \$4.00 per 100, \$25.00 per 1000.

ROUGE TORCH. Large creamy-white flower with a rouge torch-like tongue on inferior petals, making a very striking contrast. \$5.00 per doz., \$40.00 per 100.

SCARSDALE. Long graceful spike of wide open flowers. A deep Jacinthe, shading to lavender Iris with rose tintings. \$1.25 per doz.. \$10.00 per 100.

with rose tintings. \$1.25 per doz., \$10.00 per 100. SCHWABEN. This is the largest and strongest flowered yellow Gladiolus. A clear citron yellow with Aster purple tongue on lower petals. Buds sulphury yellow. The name "Schwaben" was given to this variety because the airship "Schwaben" passed over Paris the day the certificate of merit was awarded to it. 50c. each, \$3.00 per doz., \$25.00 per 100.

SUNSET. A rich cream color, suffused with rose. Dark carmine, almost brown throat. Very unusual and strikingly beautiful. 50c each \$5.00 per doz

and strikingly beautiful. 50c. each, \$5.00 per doz. VIOLET PERFECTION. A deep, rich Dahlia purple. A self-color, very large open flowers with no markings. A magnificent novelty and the gem of its color section. \$1.00 each, \$10.00 per doz.

WAR. Crimson blood-red, with deeper shadings; very tall and striking. Massive spikes of flower 25c each \$2.50 per doz

flower. 25c. each, \$2.50 per doz.

WHITE KING. A ruffled variety, flowers of sulphur white, with slight markings of purplish rose in center; the robust spikes are very tall. \$1.00 per doz., \$7.50 per 100.

WILLY WIGMAN. Large, wide-open flower.

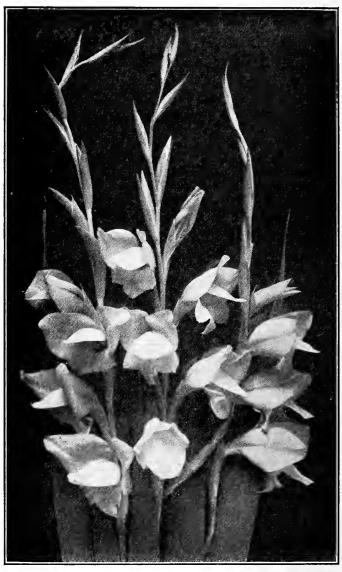
WILLY WIGMAN. Large, wide-open flower. Bloom of a beautiful blush tint, with long, bright Tulip blotch on lower petals. One of the most attractive Gladioli on the market. Spike of very graceful habit and the effect of the crimson on the cream petals is most pleasing. 75c. per doz., \$5.00 per 100.

WISTARIA. Pale lavender, suffused violet with darker throat. One of the few good bluish lavender varieties. 50c. each, \$5.00 per doz.

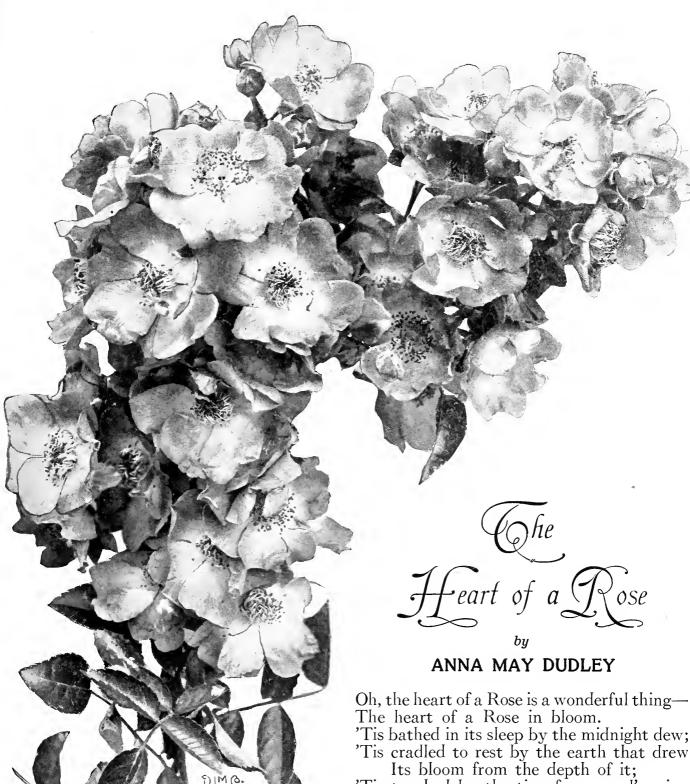
YELLOW PRINCE. A very choice addition to the yellow Gladioli. A clear Pinard yellow with flowers well placed on a willowy stalk. Fine in combination with all lavenders. \$1.00 per doz., \$7.50 per 100.

# Primulinus Hybrids

These Hybrids, gained by crossing the species Primulinus with the larger varieties of the Gandavensis type, have retained the dainty and graceful form of their Primulinus parent even to the hood, formed by the drooping of the upper petal and have an added beauty of exquisite coloring from the softest primrose to the palest rose. They are among the finest bulbous plants for early Spring work and cannot be too strongly recommended to any customer who is not acquainted with them. Can be planted any time during April or May, 4 inches apart. Where flowers are to be used for decorations, it is best to cut them when the first one or two lower flowers are open and they will continue to develop in the water and as the faded flowers are removed every day, they can be used for a week or ten days in the house for decoration. 75c. per doz., \$5.00 per 100.



PRIMULINUS HYBRIDS



Oh, the heart of a Rose is a beautiful thing— The heart of a Rose in bloom.

'Tis born of the sun, the earth and air; 'Tis dipped in a dream of colors rare, Alive with Nature's hue.

Oh, the heart of a Rose in its tender bloom—

The heart of a Rose so true—

Its secret you guess as you tenderly press Its heart to the heart of you.

'Tis touched by the tip of an angel's wing As it sweeps along unseen.

Its fragrance rare will free from all care And a message of love will bring.

Oh, the heart of a Rose is a perfect gift— The heart of a Rose in bloom.

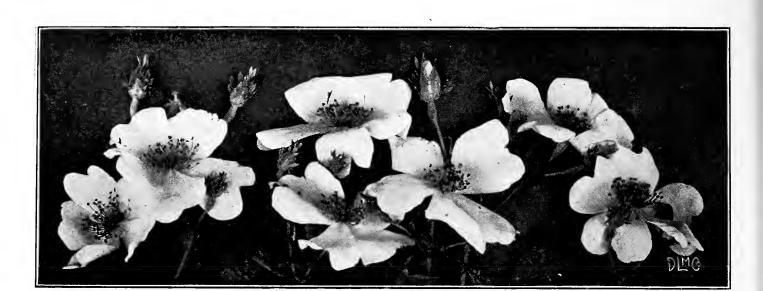
'Tis sweet with the scent of awakened earth; 'Tis a-thrill with the joy that gives it birth While laved in the sun's bright ray;

'Tis sweet on the rift of the wind's wide drift Till its petals tremble away.

Oh, a perfect gift is the Rose you lift, Tho' its bloom doth last but a day.

New York Herald, August 10, 1919





# ROSES FOR OUTDOOR PLANTING

Our customers will remember for the last seven years we have imported and distributed Roses grown specially for us in Belfast, Ireland. Under the recent ruling of the Federal Horticultural Board, these, with all other importations of Roses are restricted. In common with all other Rose distributors, we can now furnish only home-grown stock.

### **CULTURAL NOTES**

The cultivation of Hybrid Tea Roses is as follows:

The Soil.—The soil which best suits the Rose is a deep, unctuous loam, with free drainage, as Roses do not thrive where there is stagnant moisture. If these conditions are not to be had naturally, they must, as far as possible, be provided. In the first place, if drainage is bad, the soil must be thrown out to a depth of 18 inches, and, if it is not convenient to use tiles, about 5 or 6 inches of broken bricks or other rough material should be thrown in the bottom, and a layer of turf laid on top, grassy side down. On the top of the turf should be placed a layer of well-decayed farmyard manure, then a light layer of soil, and another layer of manure, on top of which should be placed the remainder of the soil, to which, if light and sandy, should be added a liberal supply of well-chopped-up turf, raising the whole of the bed to a height of about 12 inches above the original level of the soil. In case of heavy land, a layer of lime rubble should be added, as this will help to sweeten the soil.

Planting should be deferred until the soil is in proper condition to receive the plants, as it is a great mistake to plant in wet soil. Teas and Hybrid Teas should be planted about 18 inches apart and the Hybrid Perpetuals 2 feet apart, keeping all manure away from direct contact with the roots when planting. Firm the soil well around the plants and give a thorough watering.

Pruning.—All the short, prematurely ripened wood and all small shoots should be cut clean away, leaving just the strongest shoots, from 4 to 6 inches long. Pruning should be done immediately after the plants are set out, if it has not been previously done.

This close pruning does not apply to the Hardy Climbers or Ramblers; these should be shortened back if they have grown beyond their allotted space and thin out the very small shoots.

Protection.—Before the ground freezes solid the soil should be pulled up around the base of the plants, 7 or 8 inches, and the surface of the bed afterward well covered with dried leaves or cornstalks. When so protected, even the most tender varieties of Hybrid Tea Roses are entirely hardy as far north as Winnipeg.

The condensed list on the following pages are the cream of the varieties suitable for American culture today, especially our introduction Columbia, which has asserted itself as being the very finest outdoor pink Rose so far produced.



### **COLUMBIA**

We are very proud of this Rose, our introduction of 1918, which has proved itself to be the very finest of the outdoor pink Roses, so far introduced. It is strong and sturdy in growth, with handsome foliage which is almost inmune to the ravages of black-spot and mildew. The color is a glowing pink, and unlike most pink flowers, when it is fully developed, it is more vivid in color than in the bud state and the flowers last longer than any other

variety of any color, either on the plants or when cut. Everyone who

> grew this Rose last year on our recommendation, has been delighted with it; this has proved to be the best advertisement the Rose could possibly have.

"A Rose without a thorn," almost, as it is thornless 10 or 12 inches below the flower and very few thorns on the stem. Reports from our customers and friends show that this variety does equally well, north, east, south and west, and will undoubtedly rank for many years as the peer in its color. This is the finest Rose in

the entire collection and we offer it in dormant, 3-year-old plants up to May 1st delivery: \$1.50 each per plant, \$15.00 per doz., \$100.00 per 100. From May 1st onward, 5-inch pot plants, at the same price.

COLUMBIA





# Totty's International Trio

# LADY HILLINGDON

which we imported and introduced from England to the American trade in 1911, is a gloriously beautiful Rose. The color is a coppery shade of orange-yellow; one of the most striking of all yellow Roses in the bud state and when fully open is truly magnificent in its color. Lady Hillingdon is one of the freest yellow Roses, blooming continuously from early June until November. It is a true Tea in its growth and wonderful freedom and exquisite fragrance. This variety is more largely grown than any other yellow for cut flowers for the London market.

# IRISH FIREFLAME

As its name implies, this is one of the Roses that have made Ireland famous in the horticultural world. Fireflame, is a rampant grower, making a growth in rich soil of as much as 6 feet in one season. The flowers are borne on clusters five or more blooms on a stem and are best adapted for being cut in sprays for cut flower purposes. In the bud form it is ideal, but when the flower is fully developed it is a single Rose. Artists have raved and inadequately tried to paint the color of Irish Fireflame. When the buds are beginning to show color they are a deep rich orange, splashed and striped with crimson. As the flower expands this color changes to old gold with lighter shadings. With its superb growth, which is shaded almost scarlet in the young state and develops into very handsome foliage, this variety forms one of the most attractive bushes in the garden. Buds can be cut in quantity from a small number of plants any time during the season.

# **SUNBURST**

is the French variety which we introduced in conjunction with the E. G. Hill Co., in 1912, and it immediately took first place in the list of yellow Roses to be grown in quantity for cut flowers. The bud is long and pointed and when first opening is a deep shade of orange-copper. When fully developed, in common with almost all other yellow Roses, the color is somewhat lighter. This is also characteristic of the flowers from the very heavy wood. Sunburst, today is possibly the most popular yellow Rose grown. The growth is very free, with strong shoots 3 to 4 feet long from the base being by no means unusual. This is one Rose that does best on its own roots and we supply only own root stock.

Price on the International Trio: \$1.00 each per plant; \$10.00 per dozen

# SPECIAL OFFER

As an inducement to our customers to try these three splendid yellow Roses we will send one plant of each variety for \$2.50, or a selection of 12 plants for \$9.00.

These are fine three-year-old plants which we stand back of and guarantee unreservedly to bloom freely and give satisfaction. 





# Novelty Rose Premier

(HILL)

Rose Premier is a cross between Ophelia and Russell. It has the stiff, thornless stem and quick free growth of Ophelia, with ample foliage, approaching Ulrich Brunner or American Beauty in arrangement and size of leafage. The habit is perfect; the breaks come quickly and are of fine length, every one producing a flower, even the shorter stems giving fine quality of bloom. The flowers are of Russell type, and hold a clear, pure shade of rose-pink throughout the year, lighter in Summer, deep rose-pink in cooler weather; a dozen blooms make an imposing bouquet. Its freedom of bloom and quick succession of crops make this a most productive variety. It is deliciously fragrant. Absolutely distinct and a splendid addition to American varieties.

Prices: 3-year-old plants, dormant, up to May 1st, \$2.50 per plant 5-inch pot plants, after May 1st, \$25.00 per doz.





MADAM EDOUARD HERRIOT (See page 73)

# Hybrid Tea Roses

These are unquestionably the true perpetual hybrids; the strong infusion of Tea blood! into the old perpetuals has, by judicious hybridization, produced in the last decade an entirely new race of Roses. No words of praise can adequately convey the extreme beauty and unique usefulness of this glorious section which now dominates all other sections of bedding Roses. The superb vigor, the healthy and abundant growth and foliage, the profusion of bloom, the exquisite coloring and beautiful formation of the flowers and buds of this new race, at once place it without a rival in the Rose garden.

Prices, unless otherwise noted: \$1.00 each, \$10.00 per doz., \$75.00 per 100. Special price on lots of 250 or more



**\*Ö** 

MME, FRAU KARL DRUSCHKI

#### CHARLES K. DOUGLAS

Vigorous, upright growth, with deep green, handsome foliage, which is mildew-proof. Flowers large, medium, full and fine form, with long, pointed buds, freely and abundantly produced right throughout the season. Color intense, flaming scarlet, flushed bright velvety crimson. A flower of great brilliancy and charm and one of the finest bedding Roses in existence; very sweetly scented.

#### DUCHESS OF ABERCORN

Vigorous, free, upright branching growth. Flowers large, full and beautifully formed. Color creamy white, flushed and tinted bright rose at edges of petals which are nicely reflexed. A flower of great refinement, produces freely and continuously throughout the season. A fine garden Rose and useful exhibition flower.



HYBRID TEA ROSES -- Continued

#### **DUCHESS OF WELLINGTON**

Intense saffron yellow, stained crimson, long pointed flowers, of wonderful fragrance and very productive.

#### ELLEN WILMOT

Pale yellow, slightly tinted pink toward edges of petals, very prolific grower, good form and most fragrant.

#### FLORENCE PEMBERTON

Large creamy white, flushed peach, very productive in Summer and Fall. Bright glossy foliage.

#### FRAU KARL DRUSCHKI

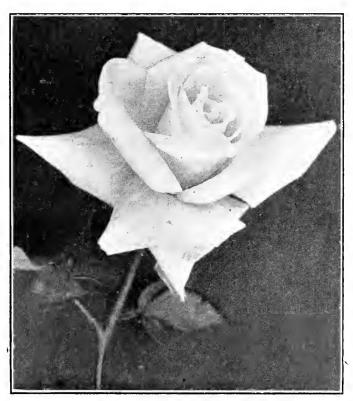
Pure snow white, long pointed buds, large, full flowers.

#### GENERAL MACARTHUR

Deep velvety scarlet; free and erect branching.

#### IRISH FIREFLAME

A single Rose of only five petals. As a novelty it is wonderfully striking. Bud is intense, fiery crimson at the base, shading to a rich orange salmon. For cutting it is beautiful and a novel departure in Roses.



MME. JULES BOUCHE



LADY ALICE STANLEY (See page 73)

#### J. K. L. MOCK

Inside of petals deep cherry red with outer petals silvery pink; very large flowers borne on long, stiff stems. Has been a favorite of Rose lovers for many years, as it is so hardy and satisfactory in every way.

#### **KILLARNEY**

Pale flesh pink, flushed deeper pink; very free and perpetual.

#### KAISERIN AUGUSTA VICTORIA

Creamy white; immense substance; petals smooth and nicely arranged.

#### KILLARNEY BRILLIANT

A sport from the original Killarney, which is one of the most popular Roses in cultivation today. Killarney Brilliant is a duplicate of the original Killarney in all respects save color, which is far more intense and rich. This is a magnificent Rose and will eventually displace the original Killarney.

HYBRID TEA ROSES—Continued

#### LADY HILLINGDON

Very free-blooming and a beautiful, even, coppery yellow in color all through the year and particularly fine.

#### LADY ALICE STANLEY

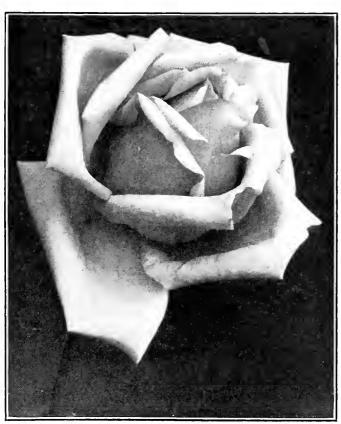
The outside petals are a deep rose-pink; inside pale flesh, slightly flushed with a deeper shading, a most beautiful color combination. Blooms are very large and full, of great substance and productiveness and one of the most fragrant Roses in existence.

#### LOS ANGELES

Growth, very vigorous; flowers luminous flame-pink toned with coral, with lighter shadings at the base; buds are long and pointed and expanding to a flower of mam-moth proportions; very fine form. Vigorous foliage. \$1.50 each, \$15.00 per doz.

#### MME. JULES BOUCHE

One of the finest garden Roses in the white section; of splendid form and a very strong grower. We cannot too highly recommend Mme. Jules Bouche to any grower looking for a good white variety.



MME. ABEL CHATENAY



MY MARYLAND

#### MME. CAROLINE TESTOUT

Salmon pink, large and very free; one of the very finest Roses ever produced for any purpose.

#### MME. ABEL CHATENAY

Carmine rose, shaded salmon; large, full flowers, opening freely.

#### MME. EDOUARD HERRIOT SYN. DAILY MAIL ROSE

Color of this Rose is a gorgeous combination of reddish terra cotta and bronze, with flame shadings; almost impossible to describe; foliage bright and glossy and practically mildew-proof. Artists have raved over this variety for the past two seasons in Europe. A marvelous Rose as grown in California.

#### MRS AARON WARD

A general favorite; rather short in bud, but wonderfully free flowering. In the bud state color is a beautiful, rich yellow, which changes to shades of pink as the flower develops.



HYBRID TEA ROSES-Continued

#### MRS. GEORGE SHAWYER

Clear bright rose-colored bloom with high pointed center and brilliant glossy foliage. Very free-flowering, doing well in all sections of the country.

#### MY MARYLAND

Bright pink, that has been grown for many years; is one of the most popular garden varieties, since it always gives satisfaction.



PRIMROSE



OPHELIA SUPREME (See page 75)

#### **OPHELIA**

Color clear, bright salmon, often deepening toward golden pink; wonderfully fragrant, with long pointed buds and stiff stems. Large, handsome foliage, showing that it is a wonderfully free bloomer and grower and not prone to mildew. Growth free and continuous.

#### **PRIMROSE**

When first opening reminds one of Ophelia, but the individual flowers have more substance and considerably more color, being a deeper shade of pinkish yellow. The buds are long and beautifully pointed; foliage tough and leathery. Very free, clean grower and by its behavior with us seems to be mildew- and spot-proof.



HYBRID TEA ROSES-Continued

#### OPHELIA SUPREME

The peer of the numerous sports that have so far appeared from Ophelia. Color light rose with a deeper shading in the center and a flush of yellow at the base of each petal which lights up the flower wonderfully and vivifies its exquisite color. In petalage it averages four or five petals more than the parent, Ophelia, and individually they have a heavier texture. In habit it has the same superb growth, clear, dark, healthy foliage and quick cropping qualities of the parent.

#### **SUNBURST**

The "King" of yellow Roses and the finest yellow Rose in the garden, blooming freely throughout the year. Foliage very glossy and showy.

#### WHITE KILLARNEY

Similar to Killarney in all respects save color. Most largely grown white in cultivation today.



WHITE KILLARNEY

#### STANDARD TREE ROSES

We offer a collection of Specimen Standard Tree Roses, which are growing on stems 4 feet in height. They are wonderfully effective for planting in isolated spots in the Rose garden. \$3.00 per doz.



STANDARD TREE ROSES



# **Novelty Climbing Roses**

### POUGHKEEPSIE, OR DOUBLE HIAWATHA

This is indeed a remarkable Rose, and we feel safe in making the statement that it surpasses all other Roses of the rambler class. For many years past the Hiawatha has enjoyed the distinction of being the most brilliant and best of all the ramblers, surpassing in brilliancy its rival, the Crimson Rambler, and, unlike it, has mildew-proof foliage, but its flowers are single. Poughkeepsie is a sport of the Hiawatha, and possesses the same vigorous habit, profusion of bloom and clean mildew-proof foliage of its parent, with perfectly double flowers in large well-formed clusters (see illustration), that are produced in such masses as to literally envelop the entire bush. The color is a brilliant ruby carmine with white at the center of each flower. In brief, Poughkeepsie excels in the brilliancy of color and profusion of its bloom, vigorous growth, abundant clean foliage and hardiness—the most beautiful and best rambler Rose. Large two-year plants each \$1.00, \$10.00 per doz.

#### **AMERICAN PILLAR**

Single-flowered variety of great beauty: flowers 3 or 4 inches across, borne in immense clusters. Brilliant shade of pink with clear white eye; wonderfully decorative even when not in flower, as the blooms are followed with brilliant red berries and this variety retains its foliage much later than most varieties.

#### CLIMBING H. V. MACHIN, H. T.

Color, brilliant crimson. A vigorous climbing sport of this well known and justly esteemed Rose, a climbing novelty of the greatest value, as, unlike many climbing sports, its flowers are produced in great profusion and the plant is strong and clean and fixed.

#### DR. W. VAN FLEET

Beautiful flesh-pink borne on long stems; buds long and pointed; plants very strong; brilliant dark glossy foliage; mildew-proof; splendid for cutting.



POUGHKEEPSIE, OR DOUBLE HIAWATHA

#### DOROTHY PERKINS

Clear, bright pink; trailing growth; profuse bloomer.

#### **EXCELSA**

Very distinct variety, particularly vigorous, with healthy dark glossy foliage; color of the flower intense crimson; individual flower very large and double for this type of Rose. Excelsa is grown today in place of the old Crimson Rambler, as it is practically mildew-proof and much deeper in color.

#### **GARDENIA**

Bright yellow, changing to creamy white.

#### **HIAWATHA**

Forms splendid long sprays of very large blooms; color of individual flower, brilliant ruby with a clear white eye. One of the best climbers we offer.

#### SILVER MOON

Pure white in color with yellow stamens in the center, showing up a very attractive variety. Foliage bronzy-green; stems of flowers very long and fragrance very lasting.

#### **WICHURIANA**

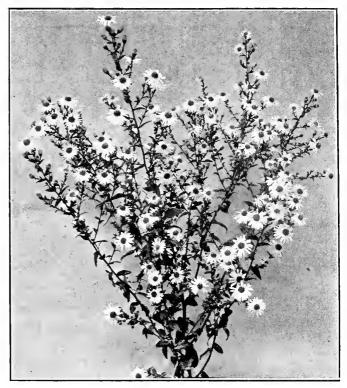
Single white, with yellow anthers; fine for rock-work.

#### WHITE DOROTHY

Pure white sport of Dorothy Perkins.







KING OF THE BELGIANS

# Novelty Hardy Asters for 1920

#### MICHAELMAS DAISIES

These lovely Fall-flowering subjects which are natives of North America and absolutely hardy in any section of the country, deserve much more extensive cultivation. The following varieties are the cream of the European collections and are well worthy of a place in every garden, since they are so distinct in type and novel in colors.

Prices: 50c. per plant, \$5.00 per doz., \$35.00 per 100.

NAMUR

#### **MONS**

Orchid-lavender in color, well divided on the stalk, very distinctive as to individual flowers, which stand out from the dark foliage and are quite large in size. A bright yellow center, makes a splendid contrast from the rich color in the petals.

### KING OF THE BELGIANS

Color, bluish-gray on petals, deepening toward the tip. This is a very strong grower and holds itself very erect. Very showy when grown in connection with other colors; very profuse flowering kind.

#### **NAMUR**

Lovely, soft mallow pink, rather dwarf grower, bushy habit, superb plant for cut flowers and bound to become deservedly popular. An exquisite variety for table decorations owing to its lovely pastel coloring.



NOVELTY HARDY ASTERS FOR 1920—Continued

#### ROBERTSON V. C.

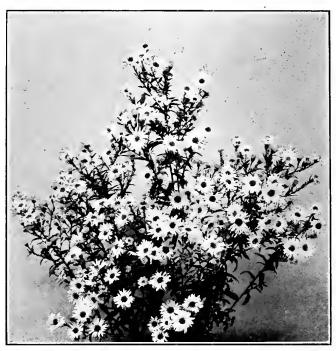
Color, pale Hortense-violet, flowers semidouble and well divided on the spray. This is one of the best and strongest varieties, holding itself erect without any artificial support.

#### MRS. FRANK PENN

Deep, rich pink, strong grower, of magnificent habit. Trusses of habit well divided and altogether one of the best ever introduced in this country.

#### **SATURN**

Color, clear light blue. Most easily described as an improved Climax, but a much stronger grower and just as tall in growth, but a shade deeper in color. Every grower who has handled Asters, will appreciate what a fine variety it really is, when we refer to it as an improved Climax.



ROBERTSON V. C.

# Asters—Standard Varieties

Prices: 20c. per plant, \$2.50 per doz., \$15.00 per 100.

**COLWELL PINK.** A lovely clear pink, flowering during September. It is one of the best additions to the perennial Asters. Its medium-sized flowers are produced very freely; pyramidal habit and very distinct. Height 3 feet 6 inches.

**CLIMAX.** Clear light blue, flowers measure 2 inches across; one of the very best.

**DIFFUSUS PENDULUS.** Blush rose, graceful, drooping habit.

**DORIS.** This pure white variety, with splendid habit and sprays is one of the best of the large-flowering whites, coming into flower the first week in September. Height 3 feet.



SATURN

**EILEEN.** Old rose color; medium-sized flowers, produced in great profusion on very graceful sprays; flowering end of August. Height 3 feet.

**ENCHANTRESS.** Blush, with yellow center; satisfactory in all locations.

FRANCIS SANDS. Lovely Cornflower blue, very novel color in Asters. Nicely shaped flowers of medium size; very striking; pyramidal habit; flowering in September. Height 4 feet.

**INNOCENCE.** Pure white, fully open September 1st, very early and good.

MRS. H. MORRIS. Rich pink; very free, with flowers produced in profusion.

MISS DAVIES EVANS. Beautiful heliotrope blue, flowering September 1st.

MRS. WALKERDINE. Pale blue;  $3\frac{1}{2}$  feet. Very valuable for cutting.

MRS. D. MITCHELL. Pure pink, resembling St. Egwin, but much taller and far superior.

NANCY BALLARD. Rich, reddish purple; very double flowers; erect growth; most profuse in bloom.

**PEGGY BALLARD.** One of the finest Asters recently introduced. Its rosy lilac flowers are quite double for many days, then pass to semi-double with golden anthers. The flowers are borne on fine, stiff stems, 3 feet high. The variety received an Award of Merit at the R. H. S., London, for being the finest Aster ever shown.

**RYECROFT PURPLE.** Very strong grower; flowers 2 inches across, freely produced.

ST. EGWIN. Lovely shade of pure light pink, very popular and showy.

WM. BOWMAN. Rosy purple that is satisfactory under all conditions and one of the very best known of this type.



# Hardy Perennial Plants

The following list are all hardy plants and can be depended on to flower entirely satisfactorily with any average grower. The demand today for the so-called "old-fashioned flowers," is something tremendous and it is certain that given a reasonable amount of care they amply repay the grower for all the labor bestowed on them. From the following list, a constant succession of flowers can be had from the very earliest Spring days until Thanksgiving snow and ice have finally blotted out the Hardy Pompons, which are the last of the hardy plants to flower. The plants noted in this list are in most cases large, field-grown clumps, and in every case first-class flowering plants, which we stand back of and guarantee to give our customers satisfaction.

IMPORTANT.—In the absence of other instructions, these plants are always forwarded via Express, but where Parcel Post shipments are requested, 10 per cent of the order must be added in order to prepay the Parcel Post charges.

Prices: 30c. per plant; \$3.00 per doz., \$20.00 per 100.

# Achillea - Yarrow

PTARMICA Fl. Pl., "THE PEARL." Pure white, double flowers; one of the very finest things ever sent out; produces profusely the entire Summer. Splendid for cut flowers.

#### Anchusa - Alkanet

**Dropmore Variety** 

Rich gentian blue; one of the earliest of the blue flowers. Plants form beautiful specimens, 3 to 4 feet high. One of the must exquisite blue flowers for the garden.

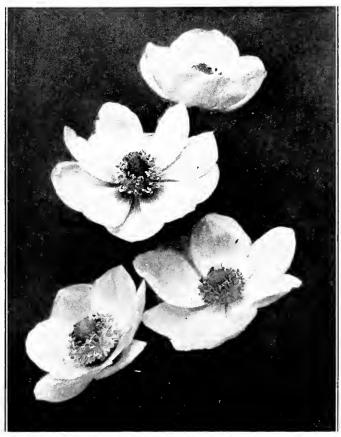
# Aegopodium

PODAGRARIA VARIEGATA. A quick growing plant with green and yellow foliage, which does well in all sections; splendid border plant.

## Agrostemma - Rose Campion

WALKERII. Brilliant rose-crimson; excellent for cutting.

CORONARIA ALBA. Pure white, with hairy silver leaves.



ANEMONE ALBA

# Alyssum - Rock Madwort

SAXATILE COMPACTUM. Splendid plant for the rockery or border, growing a foot high; golden yellow flowers with dense compact heads.

# Anemone Japonica Japanese Anemone

One of the most beautiful hardy plants in existence; splendid for cutting.

ALBA. Large, snowy white; chaste and elegant; large, single flowers.

ALICE. Lovely, silvery rose, with shell-like petals.

#### **Arabis -** Rock Cress

**ALPINA.** Pure white flowers produced in dense masses, splendid for border work and last quite some time when cut.

# Aquilegia - Columbine

The native flowers of North America are wonderfully useful; cast-iron in their hardiness and when cut on their dainty long stems when flowers are in bloom, are most attractive.

**CALIFORNICA HYBRIDS.** Very beautiful hybrids; sepals and petals tinged with orange with long spurs of orange red. 2 to  $2\frac{1}{2}$  feet.

GRANDIFLORA. Suberb type of long-spurred hybrids mostly pure white or light in color. 3 feet.

CHRYSANTHA. Golden yellow variety; sepals primrose yellow, petals deeper yellow, shaded with claret at the tip.

CÆRULEA (The Rocky Mountain Columbine). Blue and white, sometimes shading to lilac. 12 to 15 inches.

#### Aubretia - Rock Cress

One of the finest Rock or Border plants for trailing effect.

MOERHEIMI. Largest in size; very handsome pink flowers.

ASSORTED HYBRIDS. Blue and purple.

# Artemisia - Wormwood

LACTIFLORA (Lad's Love). Large panicles of creamy white flowers, flowering in August and September; beautiful subject.

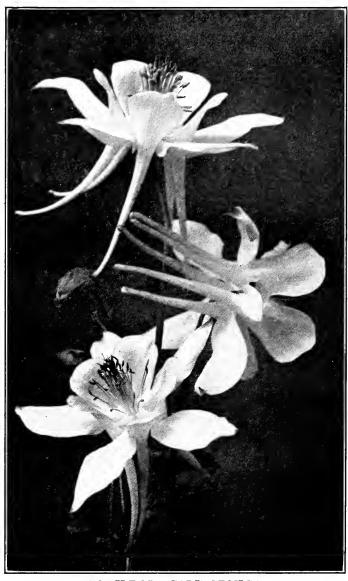
#### Boltonia - False Camomile

**ASTEROIDES.** Flower heads pure white; flowering at the same time as the popular Michælmas Daisies; 5 to 6 feet, tall.

LATISQUAMA. Beautiful pink flowers; 5 feet.

# Bellis - English Daisy

PERENNIS. Double pink, very largely used as a Spring bedding plant.



AQUILEGIA CALIFORNICA





# Bocconia - Feathery Poppy

Flowers insignificant in size, but very numerous, borne in large terminal panicles, but distinct in appearance. 5 to 6 feet. Very hardy habit.

### Buddleia Variabilis Veitchiana

Beautiful violet mauve; a splendid Summer-flowering shrub absolutely hardy under any condition; flowers are borne on long, cylindrical spikes, 12 to 15 inches in length; flowers the first season it is planted; a beautiful plant.

# Campanula - Bell Flower

The Campanulas mentioned below can be grown in any average garden and when potted and allowed to flower indoors are among the finest subjects for Spring decorations.

CALYCANTHEMA (Cup and Saucer variety). White, rose and blue, splendid when grown in a small group or in masses.

**MEDIUM.** Assorted colors; white, pink and mauve. Single varieties in same colors.

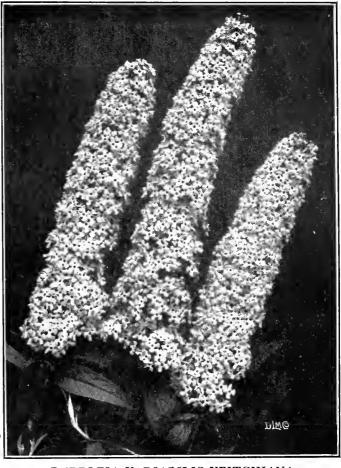
CARPATICA. A pretty species which only grows 5 to 8 inches.

### Cephalaria - Roundheads

ALPINE. Tall growing plants; 5 to 6 fect; delicate, sulphur-yellow flowers.

#### Cerastium

**TOMENTOSUM.** Silvery, low-growing foliage plant which is used very largely for planting dry, sunny spots.

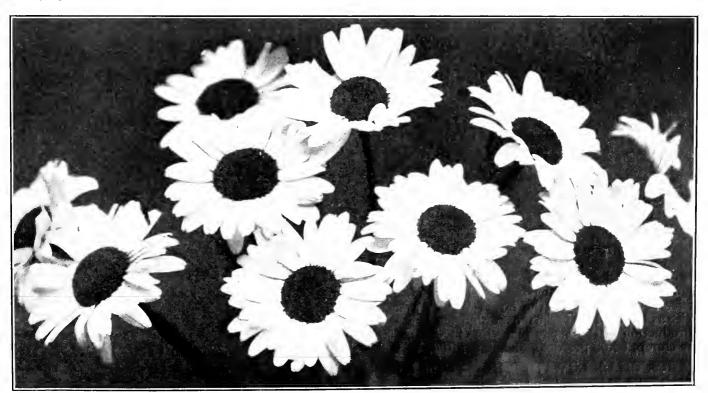


BUDDLEIA VARIABILIS VEITCHIANA

#### Cheiranthus - Siberian Wallflower

Blood-red, magnificent in color, running from scarlet to mahogany.

CLOTH OF GOLD. Brilliant canary-yellow, single flowers, wonderfully large and very sweetscented.



CHRYSANTHEMUM MAXIMUM LEVIATHAN—(See page 82)





HYBRID GIANT YELLOW COWSLIPS

# Chrysanthemum Maximum

LEVIATHAN. This is by far the finest of the Shasta Daisy type so far evolved. Under favorable conditions flowers can be cut with rigid stems from 2 to 3 feet in length. The flowers are a wonderful improvement over the Shasta Daisy in every way, so under equal conditions the flower will be at least twice as large. This is the most unique and valuable introduction in the hardy plant line in years. 50c. per clump, \$5.00 per doz., \$35.00 per 100.

MRS. CHAS. LOWTHER BELL. The earliest of this type to flower and a splendid variety.

See HARDY CHRYSANTHEMUMS.

### Convallaria - Lily of the Valley

LA COLOSSE. Wonderfully improved type of the well-known Lily of the Valley, producing flowers with fifteen developed bells on the individual spray with a stem a foot or more in length.

# **Cowslips**

(Sutton's Hybrids)

Sutton's wonderful Hybrids include all the rich colors of brownish-crimson and yellow. also if grown as pot plants in a cold house.



# Coreopsis - Tickseed

LANCEOLATA GRANDIFLORA. Rich golden yellow. One of the finest flowers for cutting ever introduced to cultivation.

#### Dielytra - Bleeding Heart

SPECTABILIS. An old-fashioned favorite; long racemes of heart-shaped flowers, beautiful and effective; often used for forcing.

# Digitalis - Foxglove

GLOXINIÆFLORA (Gloxinia Flowered). Assorted strain of spotted varieties.

MONSTROSA. Very large flowers, in rose-purple and white.

LANATA. Grayish-white, producing immense spikes 3 feet high.



**DELPHINIUM CHINENSE** 

# Delphinium Chinense

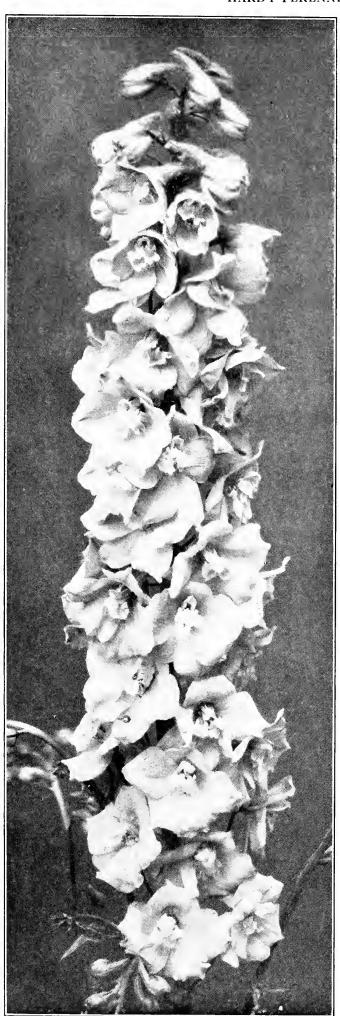
This species is a native of China and of all the many types of Delphiniums we consider it the best either for cut-flower or bedding purposes. Grows from 1 to  $2\frac{1}{2}$  feet high, depending on the richness of the soil. Blooms continuously from early Spring until late Fall. Color, a wonderful shade of blue. During the recent parades in New York of the returning soldiers, the flowers of this variety were used extensively to furnish the blue for the floral flags.

Prices: 50c. per clump, \$5.00 per doz., \$35.00 per 100.

# Belladonna

Lovely shade of dark-blue and is the variety most largely grown for cut-flower purposes for the wholesale market.

Prices: 50c. per clump, \$5.00 per doz., \$35.00 per 100.



DELPHINIUM

# Delphiniums, or Perennial Larkspurs

# Hardy Herbaceous

The present day Hybrid Delphiniums give a wonderful range of color, running from pure white to royal purple, through the most marvelous shades of azure, gentian blue and sapphire. Many of the newer varieties have a large, distinct center, shaped like a bee, which is always of a different shade of color than the surrounding petals and furnishes a gorgeous contrast. Many of the light blue have a deep black center or bee. In some of the others the bee is a brilliant Rose-color, against a dark blue ground.

For the benefit of those who insist on having certain special colors and types for exhibiting at the Summer shows, we did import the named varieties from Europe, but we have developed a strain of our own here in America, which, owing to their increased vigor and constitution, are far superior and more satisfactory to the average buyer than the very best named sorts.

We have made a specialty of Delphiniums now for some years, as we realize their utility and feel there is a place in every garden in the country for these sterling plants.

# Delphinium Seedlings Totty's Special Hybrids

As the result of years devoted to their culture, we can offer for Spring planting seedling clumps of the very finest named types and challenge comparison with any other house in the country with our seedling Delphiniums. Were they grown in Europe, many of them would be named and sold at a high price. Dozens of letters were received by us the past year complimenting us on our superior seedling Delphiniums and many of them stated that though the writers had been growing Delphiniums for years, they had never received plants that gave so much satisfaction and pleasure as our seedlings.

Prices: 50c. per plant, \$5.00 per doz., \$35.00 per 100, for year-old clumps



# **Delphinium Seedlings**

We offer for delivery April 1st, a collection of seedlings raised from the finest varieties in the world. The individual types are kept separate, and while Delphiniums cannot be depended on to come true from seed, a large proportion will be as good as the parent and many will show a decided Seedlings are invariably improvement. stronger in growth than the original named varieties; the constitution of the latter being very often impaired by excessive propagation.

Prices: 30c. each, \$3.00 per doz., \$20.00 per 100; 3-in. pot plants

# Funkia - Plantain Lily

MEDIA PICTA VARIEGATA. Green and white variegated foliage; excellent for edging.

#### Gaillardia - Blanket Flower

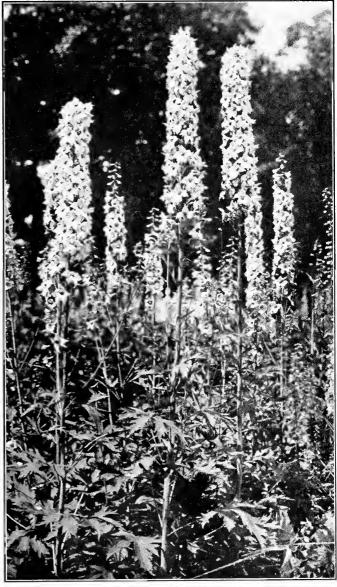
GRANDIFLORA MAXIMA. Gorgeous colored flowers, blood crimson margined golden yellow; splendid for cut flowers.

## Galega - Goat's Rue

OFFICINALIS. Purplish blue, pea-shaped flowers; tall grower; must have plenty of room.



**GEUM** 



HYBRID DELPHINIUM

### Geum - Avens

MRS. BRADSHAW. A new, large, double, scarlet variety, much better than any of this type previously introduced, blooming the greater part of the Summer and Fall.

**COCCINEUM.** Bright scarlet, single flowers.

# Gypsophila - Baby's Breath

PANICULATA Fl. Pl. Double form of Paniculata. Pure white; 3 feet high. Most useful flowers grown for Summer cutting.

# Helenium - Helen Flower

AUTUMNALE SUPERBUM. Broad, spreading heads, deep, golden yellow flowers. One of the most striking flowers in cultivation.

AUTUMNALE RUBRUM. Similar to Superbum but has bright terra cotta red flowers; makes a wonderful display during the month of September.



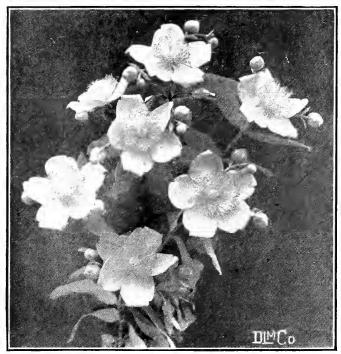
HELENIUM—See page 85

### Helianthus - Perennial Sunflower

MISS MELLISH. Very large bright yellow flowers.

# Heliopsis - Orange Sunflower

**PITCHERIANA.** Daisy-shaped flowers of deep orange color; fine for cutting; 3 feet.



HYPERICUM

#### Helianthemums - Rock Rose

**CROCEUM.** Very pretty low-growing evergreen plants, orange red in color.

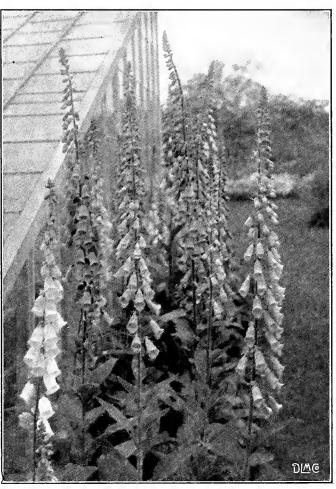
#### Hemerocallis - Yellow Day Lily

AURANTIACA. Orange color, shaded bright vellow.

FLAVA. Best known variety; very fragrant; deep yellow.

# Hypericum - St. John's Wort

MOSERIANUM. Rich golden yellow flowers with yellow stamens and crimson anthers; 2 feet high.



DIGITALIS—See page 83

### Hibiscus - Marshmallow

MOSCHEUTOS. Large bright pink flowers on bushes 4 feet high.

MOSCHEUTOS ALBA. White form of above.

# Hollyhock

No old-fashioned garden is complete without Hollyhocks. Their stately spikes produce bold effects that cannot be obtained with any other flower. We offer the best assortment of double and single kinds.



# Tall Large-Flowering Bearded Flag Irises

#### Fleurs-De-Lis

"The flower of chivalry, with a sword for its leaf and a Lily for its heart."—(Ruskin).

Of the four really great perennials, Irises, Peonies, Delphiniums and Phloxes the Iris takes first rank in diversity of interest with its one hundred and fifty odd species and varieties innumerable. It is hardy as a dandelion, and happy in any good soil not stranger to the sun and good drainage. It increases rapidly and has great decorative value with its clean-cut foliage and huge spikes of bloom.

Between Tulip time and Rose time no other flower brings such masses of color to the

Long, narrow beds in the grass are lovely. With the bearded sorts wonderful gardens may be made even on a hill. It is gardens are growing more and more a feature of well planted grounds.

All varieties listed by us have been tested for garden worth. Each has its special merit, which we have tried to indicate in the descriptions, but the opaline beauty of the

Iris flower cannot be imprisoned in print.

Buy Irises; plant Irises; until you have a good collection and when the lure of May and June is upon your garden you will agree that you have never had so much "care free" beauty.

# Difficult Slopes and Banks

If you have such places to cover and protect, write us for suggestions. The vineyardists of Southern Europe discovered years ago that there is no "wash" in a soil full of Iris roots.

# Culture and Planting

Do not use manure. Lime the thoroughly prepared bed well and give an annual top-dressing of lime in the fall, with a top-dressing of bone meal in early Spring. Do not plant in deep shade. Open woodland paths, if well drained, make admirable locations for broad masses of Iris, a notable example being the Iris Path on Admiral Ward's beautiful place.

Plant three feet apart and wait for clumps to form; or one foot apart for more immediate effect. Barely cover the rhizomes. Planting may be done at any time the ground is open, but the ideal time is through the months of July, August and September. The new growth is then active and the root quickly establishes itself for blooming next season.

Late plantings should be mulched with leaves or straw, not manure.

Prices. Vigorous single roots are furnished at the prices quoted. The quality of our roots cannot be surpassed. They are grown and dug under the personal supervision of a specialist in charge of this department and one who has spent years in the cultivation and collection of this flower from all parts of the world.

In the description, S. is used to designate the standards or upright petals; F., the falls

or drooping petals.

# Some New Irises

# AURORA (Foster)

S. and F. pale lilac pink. Large flower on strong, erect stems. Good for isolated clumps. 4 feet. \$1.00 each.

### BLUE JAY (Farr)

A tall, late blooming variety in good "blues," bright and dark. 3 feet. 30c. each.



TALL LARGE-FLOWERING BEARDED FLAG IRISES-Continued

#### CATERINA (Foster)

A. M., R. H. S. A tall plant with large, pale, lavender-blue flowers, the falls noticeably veined. This variety repays extra care in not allowing it to be crowded and giving it a warm, dry situation. 50c. each.

#### DELILA (Denis)

A new French introduction of great beauty. S. flesh white, F. rich red with very little suggestion of purple. Free in bloom and distinct in color. A seedling from I. Ricardii. \$1.75 each. Fall delivery only.

#### EDOUARD MICHEL (Verdier)

A. M., R. H. S. Tall, erect spike of Pallida growth. A large flower. S. and F. much ruffled. Color a rich vinous red. 3 feet. \$1.50 each.

#### **ELDORADO**

To those who like "art" colors in flowers this will especially appeal. A large flower on slightly flexuose stems 3 feet tall. S. yellow, brown and heliotrope, F. violet touched with bronzy yellow, while the style arms are clear gold. \$1.00 each. Fall delivery.



"ELDORADO"



IRIS "BLUE JAY" (See page 87)

#### **ISOLINE** (Vilmorin)

A. M. R. H. S. S. soft yellow pink, F. deep old rose. A very large flower on 3-foot stems. It is a queen of the garden at Iris time. \$1.00 each.

#### JEANNE D'ARC (Vilmorin)

A. M., R. H. S. A wide open flower with ruffled edges lightly traced in pale lilac, with the entire style branches a fresh, clear lilac. 32 inches. \$1.00 each.

#### **LOHENGRIN**

A. M., R. H. S. A large flower, both S. and F. in shades of Cattleya mauve; petals very responsive to the strength or softness of the light. A plant of vigorous habit and good foliage. 32 inches. 50c. each.

#### MONSIGNOR (Vilmorin)

A late flowering variety in rich coloring of purple and violet. The freedom of bloom makes it desirable for a strong note of color among the later blooming Irises. 2 feet. \$1.00 each.

# MRS. ALAN GRAY (Foster)

S. and F. soft pinkish lilac. Blooms with the Intermediates and invariably for us sends up spikes of bloom in the Autumn. No Iris is lovelier in mass. 50c. each.



TALL LARGE-FLOWERING BEARDED FLAG IRISES-Continued

#### NEPTUNE (Perry)

A. M., R. H. S. A Cypriana seedling. S. rich lavender blue, F. deep velvety purple. Very large flower. \$2.00 each. Fall delivery only.

#### **NIBELUNGEN**

S. fawn, F. bronzy purple edged with fawn. An erect, vigorous, free-blooming Iris and one of the best of its color. Should be planted near a "blue" like Rembrandt and creamy yellow like Flavescens. 32 inches. 50c. each.

#### PEACOCK'S EYE

A. M., R. H. S. S. olive gold, F. plum with olive border. Dwarf in growth and a very free bloomer. 20 inches. 35c. each, \$3.50 per doz.

#### **PERFECTION**

S. light blue, F. black violet. A very free-blooming sort and most effective as a dark foil for the lighter colors. 30 inches. 35c. each, \$3.50 per doz.

#### PROSPER LAUGIER (Vilmorin)

A. M., R. H. S. S. bronzy red, F. ruby velvet. The feeling of gold in its tones makes it the needed touch in a border of shades of yellow. Excellent also with creamy whites. 31 inches. 75c. each.

# QUAKER LADY (Farr)

S. smoky lavender shaded with gold; F. amethyst blue with yellow shadings. Styloid petals and beard yellow. To emphasize its charm of coloration, it should be planted with Aurea and Mrs. Neubronner. 75c. each.

# QUEEN ALEXANDRA (Barr)

A very beautiful mauve with a suffusion of yellow. Erect, strong stems. 30 inches. 35c. each, \$3.50 per doz.

#### RHEIN NIXIE

A. M., R. H. S. Standards clear white; F. rich raspberry purple with white edge. Tall, vigorous branched spikes. 3 feet. 50c. each.

### ROSE UNIQUE (Farr)

A deep "pink." The rather small flowers are freely produced and massed with gray white Florentina give an unusual touch of color at this season. 18 to 20 inches. 50c. each

### SARAH (Foster)

An excellent hybrid. Rather broad, upright foliage, dwarf in habit. Flower large, pearly white, distributing its bloom over a considerable period. Early May. 15 inches. 50c. each.

#### SHELFORD CHIEFTAIN (Foster)

Very large lavender blue and violet purple flowers supported on 4-foot flexuose stems. 50c. each.

### THELMA PERRY (Perry)

A vigorous Pallida variety of refined coloring. S. soft blush, F. rosy mauve. 36 inches. \$2.00 each.



TALL LARGE-FLOWERING BEARDED FLAG IRISES—Continued

# Standard Varieties

Price: 15c. each, \$1.50 per doz., except where otherwise noted

ALBICANS (Princess of Wales). S. and F. pure white; a rare old variety, large flower, early blooming. 2 fcet. 35c. each, \$3.50 per doz.

AMAS, or MACRANTHA. A huge flowered form from Asia Minor. Blooms slightly later than Florentina and the Intermediates. S. bright blue, F. deep purple violet. This variety is responsible for the great size in some of the later introductions and on this account should be in the collection of those wishing to make seedlings. 2 feet. 35c. each, \$3.50 per doz.

AUREA. S. and F. soft clear yellow. A very beautiful variety. Try planting it back of the wild Columbine (Canadensis). 30 inches. 25c. each, \$2.50 per doz.

**CAPRICE** (Vilmorin). S. and F. claret, shading to white at the center of the rather wide open flower. Very charming planted with Flavescens against a not too heavy tracery of green. 50c. each.

CORDELIA. (True.) S. lilac, F. velvety crimson. Late blooming. 24 to 30 inches. 50c. each.

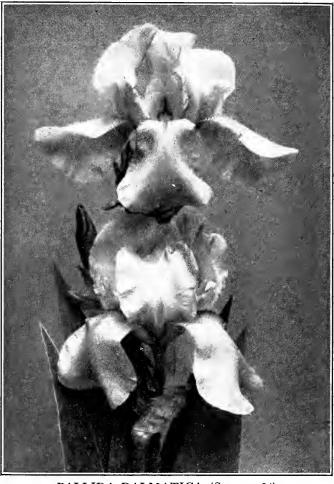
**FLAVESCENS.** Soft creamy yellow. No Iris is more valuable in the garden. 30 inches. 20c. each, \$2.00 per doz.

**FLORENTINA.** The gray white variety of the old gardens; large, fragrant and early. It makes a pleasing background for Clara Butt Tulips. 28 inches.

**GERMANICA TYPE.** (Common Early Blue Flag). Violet purple, free-flowering and effective with yellow Tulip, Mrs. Moon.



MADAME CHEREAU



PALLIDA DALMATICA (See page 91)

HER MAJESTY. S. soft rose, F. deeper rose, heavily veined. One of the best "pink" sorts and particularly satisfying used either with the cool white of Mrs. Darwin or the warm white of Innocenza. 28 inches. 35c. each, \$3.50 per doz.

INGEBORG (Intermediate). An immense flower of white on 18- to 22-inch stems. Good planted near Mrs. Alan Gray. 35c. each, \$3.50 per doz.

Mrs. Alan Gray. 35c. each, \$3.50 per doz.

INNOCENZA. S. and F. ivory white, slight reticulation at throat, late blooming and valuable. 26 inches. 35c. each, \$3.50 per doz.

26 inches. 35c. each, \$3.50 per doz.

IRIS KING. (New.) S. old gold, F. rich maroon, bordered yellow; a beautiful and striking flower. 2 feet. 50c. each.

JACQUINIANA. Standards wine, shaded in copper. Falls red purple velvet with blackish tones. There is not so much yellow in this flower as in Prosper Laugier and it is taller in growth. Should be planted with pale yellow or creamy white. 3 feet. 35c. each, \$3.50 per doz.

KOCHII. S. and F. deep black purple. An ef-

KOCHII. S. and F. deep black purple. An effective early blooming Iris, not so well known as it deserves. 2 feet. 25c. each, \$2.50 per doz.

LA TENDRE. S. pale lavender, flushed with

LA TENDRE. S. pale lavender, flushed with yellow; F. yellow at base, shading into deep lavender, veined with purple; a delicately beautiful orrisseented flower 30 inches

veined with purple; a delicately beautiful orrisscented flower. 30 inches.

LEONIDAS (Barr.) A very handsome, tall Pallida type. S. clear lavender, F. several shades deeper and hugging the stem, making the form an unusual but attractive one. Very large flower. 3 feet. 35c. each, \$3.50 per doz.

#### TALL LARGE-FLOWERING BEARDED FLAG IRISES—Continued



IRIS CRISTATA (See page 92)

LORELEY. S. clear pale yellow. F. raisin purple with yellow edge. This variety possesses in a superlative degree what the garden colorists call "carrying quality." No other Iris in our collection is more admired. 35c. each, \$3.50 per doz.

LUTESCENS (var. Statellæ). Creamy white globular flowers in late April on 12- to 15-inch stems. Fragrant and lovely for cutting. Established clumps make excellent subjects for forcing. 25c. each, \$2.50 per doz.

MADAME CHEREAU. S. and F. white, frilled clear blue; very lovely. 3 feet.

MADAME PACQUITTE. S. and F. bright, rosy claret; deliciously fragrant. 30 inches. 25c. each.

MRS. H. DARWIN. A cool, pure white with very slight reticulations of violet at base of falls. It blooms freely and is an indispensable sort. 2 feet.

MRS. NEUBRONNER. S. and F. golden yellow, deeper than Aurea, also slightly earlier. 20 to 24 inches. 25c. each, \$2.50 per doz.

OTHELLO. S. rich blue, F. deep dark velvety violet. 30 inches. Still unsurpassed among the dark sorts. 25c. each.

PALLIDA DALMATICA. S. and F. soft lavender; very fragrant; exquisite as a cut flower; superb in the hardy border. 3 to 4 feet. 25c. each, \$2.50 per doz.

**PRES. THIERS.** S. lavender, shot with bronze; F. deep purple. Valuable for its late bloom and tall

QUEEN OF MAY. S. and F. soft lilac rose, fragrant. One of the most charming of the "pink" Pallidas. 32 inches. 25c. each, \$2.50 per doz.

**REMBRANDT.** S. and F. shades of soft blue with almost no suggestion of purple. An excellent 'blue" sort. 2 feet. 25c. each.

THORBECK. S. white, F. deep black violet. A very effective Iris. 40 inches. 35c. each, \$3.50 per doz.

**TRAUTLIEB.** The soft lilac pink of the wide open flowers, shading to white through the center and the rather slender 18-inch stem make it ideal for crystal bowls as well as garden massing. 35c. each, \$3.50 per doz.

TROJANA SUPERBA. A. M., R. H. S. A giant flowered, fragrant, late blooming variety from the Island of Cyprus. Light blue, lavender standards and deep purple falls. Needs a warm, dry location. 3 feet. 35c. each, \$3.50 per doz.

WALHALLA (Intermediate). S. light blue lavender, F. velvety purple. Blooms in mid-May. 20 inches. 35c. each, \$3.50 per doz.



#### Iris Sibirica

These are grassy-leaved Irises retaining lovely flowing foliage throughout the season and blooming just at the close of the bearded Iris season. The delicately poised blossoms are attractive and valuable both for cutting and garden decoration. 3 feet.

White. 25c. each, \$2.50 per doz.

Shades of Blue. 20c. each, \$2.00 per doz.

FORRESTII. A new species from China. Allied to the Sibiricas with grass-like foliage, but a yellow flower which is closely like a Cypripedium and makes a very lovely table decoration. 50c. each.

#### **Dwarf Irises**

ARENARIA. An interesting tiny species from Hungary. Flowers bright yellow with the fragrance of vanilla. Good for a hot, sunny spot in the rock garden where with proper care it will give amazing bursts of bloom. The flower is fugacious and it is an Iris for the enthusiast and careful gardener. 3 to 4 inches. 75c. each.

THE BRIDE. A very satisfactory white Iris; 12 inches, blooming in late April or early May. Foliage is noticeably good. 35c. each, \$3.50 per doz.

CRISTATA (Evansia). A dainty, creeping species; flowers rich amethyst blue, striped orange; increases rapidly. A little gem for borders, rockwork or low massing. It is happier in locations that are shaded a part of the day. Given these conditions and time to mass, it will delight all who try it. 15c. each, \$1.50 per doz.

**LUTEA.** Pale yellow. Very vigorous in growth and profuse in flower. Mid-April. 8 to 10 inches. \$2.50 per doz.

PUMILA ATROVIOLACEA. S. and F. purple. Falls slightly deeper in tone. 4 inches. The earliest to bloom. Especially good in front of white Arabis and Golden Spur Daffodils. 15c. each, \$1.50 per doz.

PUMILA CÆRULEA. A lovely sky blue mite, blooming in April. 4 in. 25c. each, \$2.50 per doz.

#### Inula - Flea Bane

**ROYLEANA.** Splendid Himalayan species, deep golden yellow; good substance and form, splendidly adapted for cut flowers.

### Iberis - Candytuft

LITTLE PRINCE. Dainty and distinct; beautiful species of snow white flowers.

GIBRALTARICA. Delicate pink; dwarf in habit and completely covered with small pink flowers.

#### Lilium - Madonna Lily

CANDIDUM. Pearl white in color; this is the thick-petaled Lily from Northern France. Splendid for use in connection with Delphiniums. 50c. each, \$5.00 per doz.

Lychnis

CHALCEDONICA. Most desirable variety; orange scarlet; 3 feet high.

CHALCEDONICA ALBA. Creamy white.

CHALCEDONICA Fl. Pl. Double-flowering form; wonderfully brilliant in color; vermilion-scarlet.

# Lythrum - Rose Loosestrife

**ROSEUM SUPERBUM.** Rose color; robust habit; 4 to 5 feet.

# Lysimachia - Loosestrife

**CLETHROIDES.** Long, dense spikes; pure white flowers; fine for cutting.

# Myosotis - Forget-Me-Not

PALUSTRIS SEMPERFLORENS. No hardy flower is better known or appreciated than this royal blue variety. Early and free in bloom. Perpetual-flowering type. Prefers a damp location.

# Monarda - Bergamot

**DIDYMA.** Brilliant red flowers with darker center; most profuse in July and August.

## Nepeta - Ground Ivy

MUSSINI. Bright blue flower, silvery foliage, growing about 9 inches high.

**HEDERACEA.** Dwarf trailing creeping plant, very fine edging for borders.

# Papavers - Poppy

ASSORTED. In various colors and types.



INULA ROYLEANA





# Herbaceous Peonies

The best known of this type of plant is, of course, the Officinalis. Cast-iron in their hardiness, blooming equally well, north, south, east and west, in this country, no other flower is so adaptable and so satisfactory. A good rich soil, open, sunny position, and plenty of water during their growth, is all they need. When planting, place the roots so that the crowns are barely covered with soil. So treated, Peonies will go ahead and give entire satisfaction year after year.

Price: 75c. each, \$6.00 per doz., except where priced.

AUGUSTINE D'HOUR. Brilliant, deep red, with lighter reverse of pale pink. A variety that will give the finest results. \$1.00 each, \$10.00 per doz.

COURONNE D'OR. Snow white, with bright red center and yellow stamens. A late Peony that is remarkably attractive.

EUGENE VERDIER. Light rose, shading pearly white, strong grower, enormous early-flowering variety, very showy.

FELIX CROUSSE. Glowing red, with reddish flame center; very large and full. One of the best midseason varieties.

FESTIVA MAXIMA. Pure white, flecked carmine; strong grower; early bloomer. One of the oldest varieties in cultivation today and a very dependable Peony to grow.

LIVINGSTONE. Soft rose in color; imbricated blooms; late flowering and profuse in blooming; splendid in every way. \$1.00 each, \$10.00 per doz.

MARIE LEMOINE. White, with carmine edges on petals; exceptionally large and very profuseflowering habit; growth strong and erect; medium height; very late.

MEISSONIER. Purplish red and crimson; often referred to as "The American Beauty" Peony; very tall and free; midseason bloomer.

MME. BOULANGER. Glossy, soft pink, shaded lilac; large and compact, midseason type. each, \$10.00 per doz.

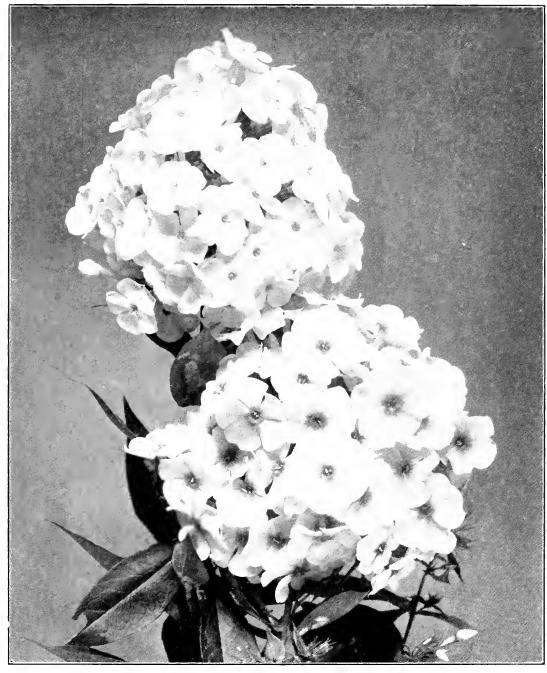
MME. CROUSSE. Ivory white, center petals edged crimson; large, full, well-formed flowers of medium height.

MME. LEONIE CALOT. Pale pink; very abundant bloomer; tall and fragrant; early flowering and a splendid kind to grow.

MME. DUCEL. Very bright pink; medium size but free flowering and lasting.

MODEL OF PERFECTION. Light violet rose with bright rose center; dwarf grower and late; profuse-blooming type. \$1.00 each, \$10.00 per doz.





HARDY PHLOXES

# Hardy Phlox

We catalogue a few of the very choicest varieties of this superb and satisfactory flower and can quote on other sorts if desired. Phlox can be planted 18 inches to 2 feet apart and will repay any expenditure in the line of extra care and fertilizer. Phlox is sometimes attacked with mildew which is best treated by the use of Sulphide of Potassium in the proportion of one ounce to two gallons of water.

Price: 75c. each, \$6.00 per doz., except where priced

**ANTONIN MERCIE.** White ground with bluish lilac shadings on edge of petals.

**EUGENE DANZENVILLIER.** Lilac, shaded white.

**ECLAIREUR.** Brilliant rosy magenta, very effective sort.

**GENERAL VON HEUTSE.** Brilliant salmon scarlet, with a large, white center.

MRS. JENKINS. Very fine white and gives splendid results in all sections.

**THOR.** Deep salmon pink, overlaid with scarlet and a deep red eye with light zone surrounding it. This is a particularly striking variety.

T. A. STROHLEIN. Scarlet-orange flowers with a brilliant carmine eye.

WANADIS. Light violet, mottled white, with a bright purple eye.



# Physostegia - False Dragon Head

VIRGINICA. Pale pink tubular flowers on very showy bushes; 3 to 4 feet high, blooms all Summer.

VIRGINICA ALBA. Pure white form of above.

# Platycodon - Japanese Bellflower

Very handsome hardy perennial, with beautiful bell-shaped flowers, much like Campanula.

Grandiflorum. Very large deep blue star-shaped flowers. 2 ft.

Grandiflorum Alba. Beautiful pure white type of the above.

# Polygonum - Knotweed

**CUSPIDATUM.** Noble plant attaining a height of 6 feet, producing long, drooping clusters of white flowers in the axil of each leaf.

# Primroses - English Primrose

Seedlings. In assorted colors. Absolutely indispensable in the Spring garden and like Cowslips, make beautiful pot plants for Easter when grown in a cold house.

# Pyrethrum - Giant Daisy

ULIGINOSUM. Flowers in the Fall, just ahead of the Michælmas Daisies, to which family it is closely related. 4 feet high.



PLATYCODON

#### Rudbeckia

GOLDEN GLOW. One of the best known hardy flowers, blooming from July until September.

NEWMANI. The Black-Eyed Susan, very well known and popular.

#### Santolina - Lavender Cotion

INCANA. Silvery white foliage, used for rock border and very largely used for carpet bedding.



SEDUM SPECTABILIS

#### Sedum

Stonecrop

SPECTABILE.

Most popular of all the Sedum, producing large, flat heads of rosecolored flowers; 2 feet high.

# Spirea

Meadow Sweet

PALMATA. Beautiful plant, with crimson purplish flowers; freely produced in June and July.

# Stachys

Wound Wort

LANATA. Bright, silvery white, woolly foliage; flowers an inconspicuous light purple in color; largely used for edging or clumps in horders.

#### **(Ö)**

#### HARDY PERENNIAL PLANTS-Continued

#### Sweet William - Dianthus Barbatus

Possibly one of the best known, free-flowering, hardy perennials; easily one of the most attractive flowers in the garden.

VARIEGATA. The flower of this variety is crimson with a white edge. A beautiful and most striking combination of colors.

**DOUBLE MIXED.** A selection of carefully raised seedlings in assorted colors; which are very choice.

SUTTON'S LIGHT CRIMSON.

SUTTON'S DARK CRIMSON.

**ARICULA.** White with red eye.

NEWPORT PINK.

NEWPORT SCARLET.

NEWPORT RED.

#### Thalictrum - Meadow Rue

**ADIANTIFOLIUM.** Beautiful variety, with foliage like Maidenhair Fern and miniature white flowers.

#### Valeriana - Valerian

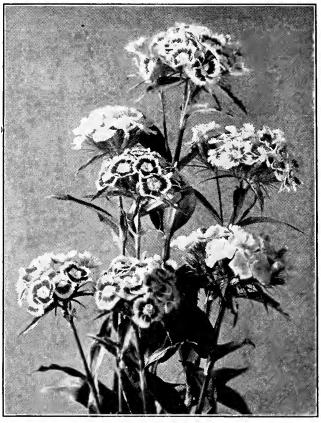
**OFFICINALIS.** Very fragrant, rose tinted flowers.

#### Veronica - Speedwell

**AMETHYSTINA.** Amethyst-blue flowers; spikes long and good.

LONGIFOLIA SUBSESSILIS. Long spikes; beautiful, blue flowers; plants 3 feet high.

**SPICATA.** Flowers in June and July; magnificent sprays of bright blue flowers, growing  $1\frac{1}{2}$  to 2 feet high.



SWEET WILLIAM

#### Viola - Heartsease

**CORNUTA.** A form of the tufted Pansy. Clumps are in bloom all through the entire season particularly in a moist, shady position. Often used as a substitute for the Princess of Wales Violet in the Summer months.

### Yucca - Adam's Needle

FILAMENTOSA. One of the finest hardy ornamental foliage and flowering plants. Broad sword-like foliage which makes a splendid foil for the delightfully fragrant spikes of creamy white flowers produced during June and July.



VIOLA CORNUTA



PELARGONIUM

# Pelargonium "Clorinda"

Price:  $2\frac{1}{2}$ -in. pot plants: 25c. per plant, \$2.50 per doz., \$20.00 per 100.

This Pelargonium is grown very little and apparently is a stranger in our greenhouses. The plant illustrated carried three hundred and twenty trusses of flowers and had given a continuous succession of bloom from September until June. The color is a bright rosy cerise and the flowers are very useful in the cut state. The deep green healthy foliage has a most delightful fragrance when crushed in the hand. We have a good stock of this Pelargonium and we would suggest every gardener trying a few plants, as they can be grown in any position and in almost any leastion. grown in any position and in almost any location.



# **SUNDRIES**

#### CHRYSANTHEMUM FERTILIZER

This fertilizer, if rightly handled, is the most wonderful plant food for finishing Chrysanthemums that has ever been compounded.

The analysis is as follows:

Total nitrogen, 16 to 18. Equal to ammonia, 20 to 21. Ammonia, 16 to 17. Soluble phosphoric acid, P<sub>2</sub> O<sub>5</sub>, 6 to 7. Potash K<sub>2</sub> O, 4 to 5.

This fertilizer is absolutely safe when dissolved in water in the proportion of one pound to fifty gallons of water. It may be used in conjunction with natural fertilizers, but in itself it furnishes a complete plant food for not only Chrysanthemums, but any other plants, such as Roses, that are well rooted and will stand the feeding.

Plants may be watered with this fertilizer once a week in the proportion given, and the results will amply testify to its value. 50c. per lb.

# CARNATION AND FRUIT FERTILIZER

Similar to the Chrysanthemum fertilizer, so far as the ingredients are concerned, but it will be noted that the percentage of nitrogen is reduced and the percentage of potash greatly increased. This is necessary because experiments have proved that the Carnation is greatly improved by a larger percentage of potash than is needed in the case of softer growing plants. This fertilizer is also wonderfully effective in raising fruits under glass. The potash and nitrogen being balanced in just the right proportion, it produces the most perfect fruits.

Every gardener in the country should try this fertilizer on his Grapes and other fruits. 50c. per lb.

Analysis: Nitrogen, 10 to 12. Equal to ammonia, 12 to 15. Ammonia, 11 to 12. Soluble phosphoric acid, P<sub>2</sub> O<sub>5</sub>, 6 to 7. Potash K O<sub>2</sub>, 10 to 12. 50c. per lb.

### SUCCESSFUL CULTIVATION

demands a knowledge of the habits of plant insects and diseases and of the proper remedies for their control. The following products have the endorsement of the foremost growers of the country and are generally recognized as standard remedies for the insects and diseases for which they are suggested.

#### **APHINE**

Aphine is a most effective remedy for all sap sucking insects, the green, black, and white fly (the aphis), thrips, soft scale, and such soft bodied leaf eating insects as the currant and cabbage slugs. It can be safely applied to all flower, fruit and vegetable plants. Quart \$1.00, Gallon \$3.00.

#### **FUNGINE**

Fungine is a most effective remedy for the control of mildew, rust, and various other fungi effecting flowers, fruits and vegetables. Unlike Bordeaux Mixture and lime and sulphur, Fungine does not stain the foliage when applied, but cleanses it—which is most desirable in garden and greenhouse use. Quart \$1.00, Gallon \$3.00.

#### **VERMINE**

Vermine is a soil sterilizer and vermicide which will destroy many of the insects and other vermin working in the soil at the roots of plants. It is applied to planted soil whenever roots and plants are attacked by maggots, grubs, worms, or root lice. To rid the ground of vermin before planting, Vermine may be applied in concentrated form, following with a thorough drenching of the soil with the hose. Quart \$1.00 Gallon \$3.00.

#### APHINE, FUNGINE AND VERMINE

APHINE, FUNGINE and VERMINE are not experiments. These products have been on the market for a number of years—have stood the test of time and been found thoroughly efficient. They meet the requirements of professional and amateur gardeners alike, both in the greenhouse and in the garden.

# LA FRANCE

The Phenomenal Giant Everbearing Raspberry



Autumn-fruited Cane of the new everbearing Raspberry La France

June-fruited Cane of the new everbearing Raspberry La France

Superior to any other Raspberry; produces large, juicy berries of finest aroma; very prolific, heavy bearer, absolutely hardy and free from disease.

Limited stock of this valuable food plant will be disseminated early this Spring at \$2.00 each, \$20.00 per doz., \$150.00 per 100, for extra strong, field-grown plants.

First-class Certificates of Merit awarded by Massachusetts Hort. Society, American Institute of New York, Horticultural Society of New York, New York Florists' Club, Tarrytown Hort. Society, Nassau County Hort. Society, Morris County Hort. Society, Westchester and Fairfield Hort. Society. Awarded Silver Medals by Hort. Society of New York, Tarrytown Hort. Society, Morris County Hort. Society, Connecticut Hort. Society, etc., etc.

### Site of a Plantation

A fine, deep, sandy loam is the most desirable soil.

The most important of all the factors entering into the growing of Raspberries is the moisture supply, and where there is the possibility of a choice, the soil which will furnish an ample supply of moisture at all times should be chosen. At no time, however, should there be wet places in the plantation. Thorough drainage as well as a full supply of moisture is essential.

For home gardens, the chicken yard is frequently a desirable place for the Raspberry patch. Poultry keep down weeds and enrich the soil, and do not often injure the berries.

# Preparing the Land

For the best results the plants should never be set in a field which has just been in sod, but should follow some hoed crop. Land which produced a crop of Potatoes the previous year and which has later been plowed and thoroughly pulverized is in the best physical condition for setting the plants, and any field on which crops have been grown which leave the soil in a similar condition is prepared properly for Raspberries.

# Planting

In case the plants are not to be set immediately, they should be heeled in; that is, a trench should be dug and the roots placed in it and covered with moist soil. Sometimes it is desirable to wet the roots, or, if they are very dry, to soak them for a few hours before heeling in the plants. Just before setting it is well to dip the roots of the plants in a puddle made of clay and water or cow manure and water. The roots are thereby partially protected from the wind and sun.

# Setting the Plants

Before planting, the tops of the plants should be cut back to 6 inches or less in height. If a garden patch is being planted, it is better to cut the canes back to within a few inches of the leader buds. The plants should be set deeper than they formerly grew. A common and inexpensive method of setting the plants is as follows: The rows have been marked out previously and plants have been dropped every 3 feet along the row. The spade is thrust into the ground, the handle pushed forward, and the root placed in the space thus opened. The spade is next withdrawn and the earth firmed about the roots. Plants should not be dropped much ahead of those who are setting them, however, as exposure to the sun and wind weakens the roots.

# Moisture Supply in the Soil

From the time Raspberry plants are set, they need an ample supply of moisture, and they are affected more quickly and seriously when it is deficient than most other fruit plants. A deep soil furnishes a uniform and ample supply of moisture at all times. To secure the best results, therefore, the grower should, by tillage and by supplying humus, maintain a uniform and ample moisture content in his soil, not only during the growing and ripening of the fruit but also while the canes are developing.



# "Adjusto" Plant Support

Indispensible for Roses, Dahlias, Tomato Vines, Potted Plants, Etc.

The "Adjusto" Plant Support is a marvel for simplicity and efficiency. It consists of two parts: an oak stake pointed at the bottom and painted green, and a hoop of the toughest wire, also painted green to prevent rust.

It contains no nails, hooks or screws. It holds securely any flower or plant and can be adjusted to any height to conform with

the plant's growth.

For all 'round garden use and as permanent equipment the "Adjusto" Plant Support can't be touched by anything on the market either in respect to cost or the way they do the work. And then they save the time and labor you otherwise would spend on inefficient equipment. Plants thrive when supported by the "Adjusto" and are sure to bear more beautiful blossoms and perfect fruit.

As permanent equipment which can be used year after year they are dirt cheap.

 18 inch, 8c. each...\$0.85 per doz.
 3 feet, 15c. each...\$1.75 per doz.

 24 inch, 10c. each...
 1.00 per doz.

 4 feet, 18c. each...
 2.00 per doz.

 5 feet, 20c. each...
 \$2.25 per doz.

# The Lenox Sprayer

OPEN

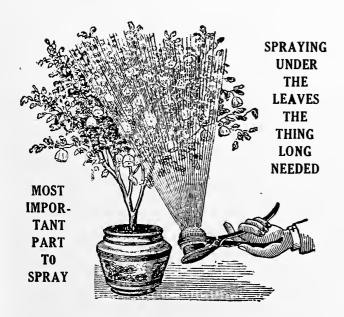
PRETTY WELL LIKED

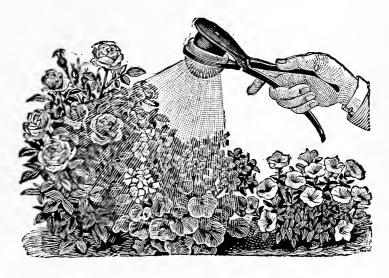
#### SPRAYING UNDER THE LEAVES

An excellent hand plant sprayer to keep the insects and dust off and otherwise keep them healthful.

For indoor use, makes them bloom.

Complete **50c.** Postpaid With two extra bulbs for laundry use, \$1.00 postpaid





# FOR INDOOR PLANTS AND THE FLOWER BEDS

Just what mother was looking for.

A cake of tobacco soap free with each. Make suds and spray. Your plants will surprise you.

No private estate should be without these sprayers; they will be used preferably to others.

They are available for everything in the garden, with liquid insecticide or clear water. A fine spray may be thrown under, over, or upon the foliage of any plant or shrub.

For newly sown seeds it is equal to dew.

For newly sown seeds it is equal to dew.

Put a string around your finger—they are indispensable on any place of any account.

By the way, remember your wife. She looks after the back yard garden, the Rose bushes and veranda plants; she needs one of these splendid sprayers.



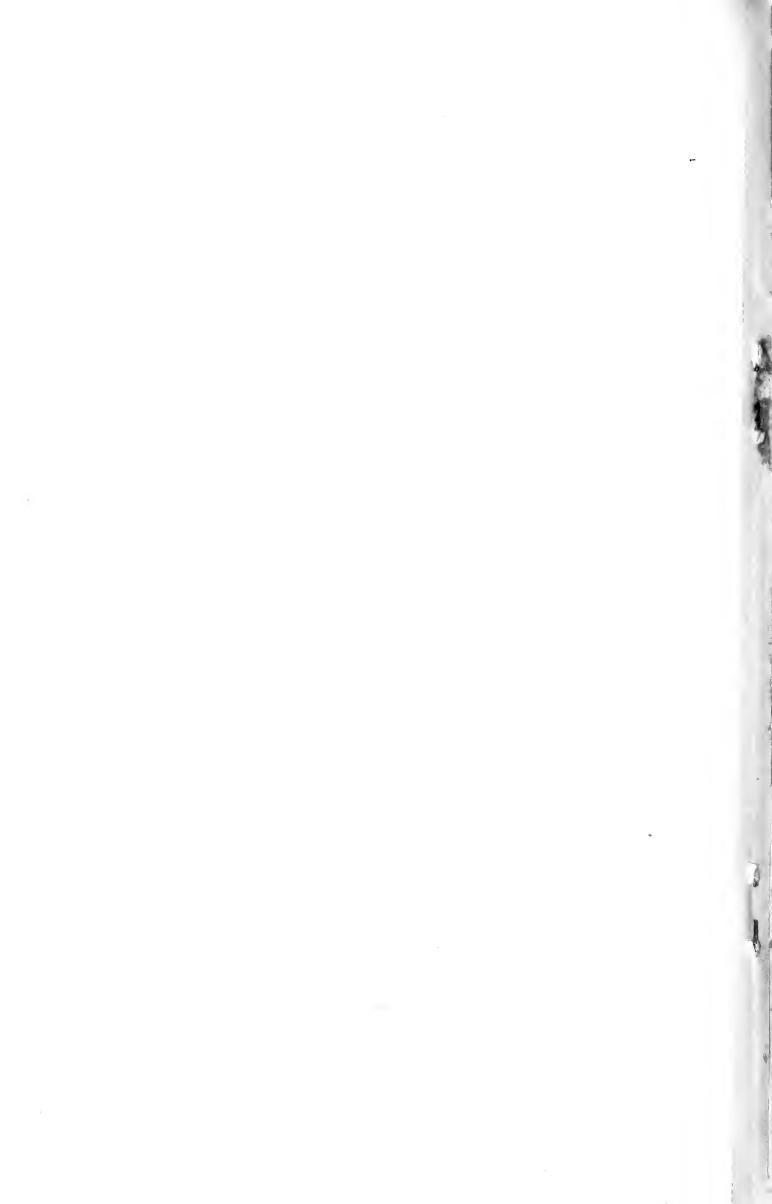
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# ORDER SHEET

# CHARLES H. TOTTY COMPANY, Madison, N. J

Date	Forward by (State Express)	PLEASE DO NOT WRITE HERE		
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Gardener				
Street, P. O. Box or		_		
		_		
Express (If Different from P. C.	nt )			
	State			
AMOUNT ENCLOSED State whether P. O. Order Express Money Order, Draft, \$				
Quantity Wanted	Articles Wanted	Price		
		·		
·		Amount		



# TERMS OF SALE

RDERS from unknown parties must be accompanied by cash or satisfactory references. We allow 3% discount when cash is enclosed with order; therefore it is to the customer's interest to remit the full amount when ordering.

Accounts unpaid in 60 days are subject to sight draft without further notice.

No Guarantee.—While we exercise great care to keep our stock clean and true to name, we give no warranty, express or implied, on the same, and if the customer does not accept the goods on these terms, they are to be returned immediately.

QUALITY.—The many letters we receive every year from customers all over the country, complimenting us on our stock, are evidence enough that the quality of our stock cannot be approached.

EXPRESS SHIPMENTS.—On account of express strikes and other strikes at different times, we cannot guarantee delivery, and all stock must travel at purchaser's risk.

We guarantee all shipments to be forwarded at the special plant rate, which is 20% less than merchandise rates. In the absence of definite shipping instructions we always ship by the quickest and cheapest route.

PLEASE NOTE.—Not less than three plants of one variety will be sold at the dozen rate; nor less than twenty-five at the hundred rate. We are sometimes asked to send one hundred plants in about thirty varieties at the hundred price. We will not supply less than twenty-five of one variety at the hundred rate, as it takes considerable time to select one hundred plants in twenty or thirty varieties and we must charge for the same accordingly.

Packing Charges.—While we have heretofore never made any charge for packing, the cost of lumber and other material is steadily climbing and the tax has been a heavy one on our business. We will simply charge for the actual cost of the packing material in future and trust that customers will appreciate our position in the matter.

